Hearsay in the Smiley Face: Analyzing the Use of Emojis as Evidence

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COMMENT

HEARSAY IN THE SMILEY FACE:
ANALYZING THE USE OF EMOJIS
AS EVIDENCE

ERIN JANSSEN

I. Introduction ............................................................................................ 700
II. Background ............................................................................................. 701
   A. Federal Rules of Evidence .................................................................. 701
   B. Free Speech and Technology .............................................................. 702
   C. Emojis and Emoticons ....................................................................... 703
III. Application of Emojis as Evidence ..................................................... 707
   A. Issues in Today’s Society Regarding Emojis and Emoticons .......... 707
   B. Comparing Emojis and Emoticons to Other Nonverbal
      Communications ............................................................................. 709
   C. Symbols and Text ........................................................................... 711
   D. Difficulty of Introducing Symbols as Evidence ............................... 713
   E. Nonverbal Communication Across Cultural Lines ....................... 719
   F. Emojis and Law Around the World .................................................. 720
   G. What Courts Should See in the Future ............................................ 722
IV. Conclusion .............................................................................................. 724

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Comment.
I. INTRODUCTION

The purpose of this Comment is to address the issues that arise from the use of emojis as evidence. Currently, courts struggle with how messages, or symbols alone, should be presented as evidence. Moreover, those in the legal field have difficulty determining how jurors should be instructed to understand the meaning of various symbols, their usage on the Internet, and the writer’s intent. When speaking with someone face-to-face, the meaning of words can be modified by using nonverbal cues such as body language, facial expressions, and surrounding circumstances. However, in writing it is more difficult to establish the meaning of a message since a majority of these physical factors are not available to support the text. The legal community must continuously modify evidence law to adapt to transformations in technology and increasing digital usage by a majority of the population worldwide. This Comment will address the evidentiary issues emojis impose and how courts should interpret these visual symbols when they are introduced as evidence.

1. See Lauren Foster, Meaning of a Message: Emojis and Emoji Hashtags Become New Visual Evidence, 79 TEX. B.J. 14, 14 (2016) (explaining the increasing popularity of emojis has only added to the difficulty attorneys have in proving the meaning of something that a client stated).

2. See Benjamin Weiser, At Silk Road Trial, Lawyers Fight to Include Evidence They Call Vital: Emoji, N.Y. TIMES (Jan. 28, 2015), http://www.nytimes.com/2015/01/29/nyregion/trial-silk-road-online-black-market-debating-emojis.html [https://perma.cc/QXG8-DAC9] (commenting on emojis not only posing problems in their introduction as evidence in court, but also on how jurors should be instructed to evaluate new terms and symbols stemming from an evolving web culture).

3. See Pamela Peters, Gaining Compliance Through Non-Verbal Communication, 7 P EPP. DISP. RESOL. L.J. 87, 87 (2007) (acknowledging communication is based on more than words alone, such as “how the world of advertising persuades millions of consumers through the use of seductive images, or that look your mother gave which warned you that you were in trouble”).


II. BACKGROUND

A. Federal Rules of Evidence

The Federal Rules of Evidence, drafted in 1975, have had small changes throughout the years; however, they remain fundamentally similar to the first draft proposed in 1969.6 The Rules state that in order for an item to be admitted as evidence, the item must be relevant7 and authentic.8 Relevancy requires that the evidence offered “possesses sufficient probative value to justify receiving it into evidence.”9 Regarding the admissibility of relevant evidence, Rule 402 provides that, “Relevant evidence is admissible unless any of the following provides otherwise: the United States Constitution; a federal statute; these rules; or other rules prescribed by the Supreme Court. Irrelevant evidence is not admissible.”10 For evidence to be authenticated or identified, “the proponent must produce evidence sufficient to support a finding that the item is what the proponent claims it is.”11

The introduction of various new communications has altered the way people converse with one another.12 These new methods of communication, brought on by advancements in technology, have had a tremendous impact on the hearsay rules.13 The court in *Lorraine v. Markel American Insurance Company*14 outlined the five questions courts use to determine whether electronically-stored information may be admitted into evidence.15 Hearsay is defined in Rule 801,16 with exceptions in Rules

6. Id.
7. FED. R. EVID. 401.
8. Id. R. 901.
9. Id. R. 401 advisory committee's note to 1972 proposed rules.
10. Id. R. 402.
11. Id. R. 901.
13. See id. at 332–33 (suggesting modifications should be made to rules governing statements that are traditionally excluded from hearsay).
15. See id. at 538 (asserting that when electronically stored information is offered as evidence, the court must consider: its relevancy; its authenticity; if it is hearsay covered by an exception; if it is an original or a duplicate; and whether its probative value is “substantially outweighed by the danger of unfair prejudice”).
The five questions to be answered in a hearsay analysis are:

1. Does the evidence constitute a statement, as defined by Rule 801(a);
2. Was the statement made by a “declarant,” as defined by Rule 801(b);
3. Is the statement being offered to prove the truth of its contents, as provided by Rule 801(c);
4. Is the statement excluded from the definition of hearsay by rule 801(d); and
5. If the statement is hearsay, is it covered by one of the exceptions identified at Rules 803, 804 or 807.

The Federal Rules of Evidence “against hearsay ensure that only truly reliable testimony is given at trial—testimony that can be scrutinized by both parties to ensure that the best possible truth is revealed.” In the future, the rules of evidence will continue to evolve as those in the practice of law increasingly utilize and rely on technology.

B. Free Speech and Technology

The First Amendment to the United States Constitution provides, in relevant part, “Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the freedom of speech, or of the press; or the right of the people peaceably to assemble, and to petition the Government for a redress of grievances.” In 1956, the Supreme Court stated that the purpose of protecting speech and press under the First Amendment is “to assure unfettered interchange of ideas for the bringing about of political and social changes desired by the people.” Courts have upheld citizens’ rights to free speech to encourage...
them to communicate freely, in spite of the disadvantages that come with
the allowance of this freedom. The mediums used to convey speech
today have distinctively changed from the way people communicated years
ago. Public personas are becoming less prevalent in today’s society
compared to emerging online identities, which have arisen through various
Internet platforms. As technology transforms communication and
modes of speech, courts are forced to learn how to adapt to these
changes.

C. **Emojis and Emoticons**

“An emoticon, as it is called in Internet vernacular, is a little cartoon
face that can be added to the text of an instant message. The faces come
in numerous expressions and are used to illustrate how the speaker is
feeling or the intended meaning of what he or she has written.”

Emoticons were first drawn by graphic designer Shigetaka Kurita, and
generated by a Japanese communications firm called NTT DoCoMo in the
late 1990s. The term “emoji” is generated “from the Japanese 絵（e
picture） + 文（moji written character）.” The term “emoticon” is a

25. *See* Brian D. Shapiro, Elonis v. United States, 135 S. Ct. 2001 (2015), 43 W. St. L. Rev. 275, 280 (2016) (examining the Court’s views on the allowance of free speech “even if the speech casts a feeling of terror in those it was directed to”).

26. *Id.*; accord **JO-ELLAN DIMITRIUS & MARK MAZZARELLA, READING PEOPLE: HOW TO
UNDERSTAND PEOPLE AND PREDICT THEIR BEHAVIOR—ANYTIME, ANYPLACE 4–5 (New York: Random House 1st ed. 1998) (emphasizing the lack of in-person communication due to technology allowing people to speak with each other through the phone or Internet).

27. *See* Shapiro, supra note 25, at 280 (“People have traded in their public voices for intimate
online personas.”).

28. *See* Jacob Lammers, **Courts Adapting to Technology**, NEWS-HERALD (June 13, 2010, 12:01 AM), http://www.news-herald.com/article/HR/20100613/NEWS/306139979 [https://perma.cc/J4E4-EMU2] (recognizing cell phones and social media have impacted the court
during the electronic information age).


combination of the words “emotion” and “icon.” Currently, there are approximately 2,789 emoji symbols worldwide. These emojis are “regulated by the Unicode Consortium, a nonprofit corporation that standardizes software and the representation of text internationally.”

Unicode is an independent group; they do not own the emojis, are not responsible for designing them, and are not at liberty to negotiate licenses for them. Unicode began its database work in 1986, before the first emoji was ever generated. It ensures that all of the emojis are provided with specific criteria to make sure each symbol is unique. Specific data regarding each individual emoji is presented in charts, which include a magnitude of statistics such as an emoji’s visual depiction, name, and keywords relating to the symbol. Additional data includes an emoji’s code (made up of a combination of letters and numbers) and visual pictures of the emojis on various electronic devices. The charts also provide a name for each emoji, including a textual description of the symbol. The Unicode Consortium standard has been largely embraced by leaders in the technology industry, including “Apple, Google, Microsoft, IBM, and more.”

33. Oxford Dictionaries Word of the Year 2015 is . . . , supra note 32.
35. Dua, supra note 31.
37. See Chronology of Unicode Version 1.0, UNICODE, http://www.unicode.org/history/versionone.html [https://perma.cc/4PXF-SMVV] (verifying the launch of Unicode came from workers on a database map at Xerox in 1986 and 1987); see also McCurry, supra note 30 (noting the first emojis were drawn in the 1990’s, with the first color emoji released in 1999).
38. See What is Unicode?, UNICODE, http://www.unicode.org/standard/WhatIsUnicode.html [https://perma.cc/VYBZ-MHFQ] (last updated July 24, 2017, 1:02 PM) (“The Unicode Standard provides a unique number for every character, no matter what platform, device, application or language.”); cf. Chronology of Unicode Version 1.0, supra note 37 (illustrating the sequence of events that have occurred since the launch of Unicode).
39. Full Emoji List, v11.0, supra note 34.
40. Id.
41. Id.
42. Weiss-Meyer, supra note 36; see also What is Unicode?, UNICODE, http://www.unicode.org/standard/WhatIsUnicode.html [https://perma.cc/VYBZ-MHFQ] (last updated July 24, 2017, 1:02 PM) (“[Unicode] has been adopted by all modern software providers and
Research has shown there are approximately two billion smartphone users throughout the globe. These users send roughly 41.5 billion electronic messages and six billion emoticons each day. Approximately 92% of online users utilize pictorial symbols at some level. According to a survey of SwiftKey users (excluding iOS and Android operators) the most-used emojis are those that represent a wide array of facial expressions. This is not surprising since faces have the ability to express emotions—something that cannot be communicated through text alone. In addition to personal use on individual social media sites and other platforms, emojis are becoming more frequently used in many business communications, although their usage in the workplace has been questioned due to doubts about their professionalism. The appropriateness of their use in an office setting is heavily dependent upon demographics, customer preferences, and the medium of communication. Emojis have also become prominent assets in many industry transactions due to the ease of their use and availability now allows data to be transported through many different platforms, devices and applications without corruption.”.

44. Id.  
47. See Cara Rose DeFabio, America Loves the Eggplant Emoji, and Other Lessons from a New Emoji Study, SPLINTER (Apr. 21, 2015, 4:03 PM), http://fusion.net/story/123789/americas-eggplant-emoji-and-other-lessons-from-a-new-emoji-study/ [https://perma.cc/B3P3-332G] (“Faces accounted for close to [60%] of emoji use in the study . . . which confirms that people are using emoji to convey something that text alone can lack: emotion.”).  
48. Id.  
50. See id. (asserting the reason for a lack of emoticon usage comes from a fear of appearing unprofessional in the workplace).  
51. See id. (analyzing mediums to determine the different approaches to be taken and whether informal language can be used).
to the public at large. In 2016, over 500,000 public payments on the mobile payment application Venmo were analyzed to determine what the most popular transactions were. The study found that emojis have become a popular way to describe transactions made in the application, such as purchases of food, utilities, and travel expenses.

According to reports, gender rather than age, is a greater factor in determining the types of people that use emojis. It was discovered that women are more frequent users of emojis than men since they find these symbols to be more enriching. Women stated that emoji usage helps them articulate thoughts more efficiently, and makes it easier for readers to comprehend their intended meaning. Emojis are comparable to other punctuation marks in our language, since they have the ability to “convey some communicative force that would not be obvious just from the arrangement of words on a page.”

In 2015, it was reported that 92% of individuals use emojis in text messages, or through social media, with a large contributing factor coming from the increase of mobile usage. Recently, a survey determined that the most popular social media websites people connect to were Facebook, YouTube, and Twitter, respectively. Facebook, the highest ranking social media site, is estimated to have 1.45 billion daily users log on to the platform.

52. See id. (understanding emojis can be used in business settings although there is a higher risk of misinterpretation with the use of the symbols).
54. See id. (illustrating results from a recent study the overall top three emojis utilized by Venmo users when sending payments through the application were pizza, money, and drinking glasses).
55. See 2015 Emoji Report, supra note 46, at 10 (providing charts that show women prevail over men in frequent usage of emojis, although these statistics are not affected by the age of the female or male users).
56. Id. at 11.
57. Id.
58. Id. at 34.
59. Id. at 4–5.
III. APPLICATION OF EMOJIS AS EVIDENCE

A. Issues in Today’s Society Regarding Emojis and Emoticons

Emojis are used by Internet and telephone operators every day to enhance their texts and social media posts.\(^{62}\) Sometimes it is difficult to decipher a writer’s intent, leaving the most extreme cases to be evaluated by the courts.\(^{63}\) In certain cases, their interpretations can change the meaning of a statement, thus posing new challenges for attorneys preparing for cases involving these symbols.\(^{64}\) With a wide array of emoji symbols that can be used,\(^{65}\) how are courts to know when these symbols cross criminal lines?\(^{66}\) Emojis can remove ambiguity from text, but sometimes it may be difficult to comprehend the underlying message.\(^{67}\) For instance, “[W]hen is a winky face a menace? Is poo a serious insult?”

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\(^{62}\) See Opzeeland, supra note 49 (providing tips on use of emojis in a business environment); see also Neil Cohn, Will Emoji Become a New Language?, BBC (Oct. 13, 2015) http://www.bbc.com/future/story/20151012-will-emoji-become-a-new-language [https://perma.cc/37NC-44LV] (stating emojis have the ability to enhance or supplement text).

\(^{63}\) Justin Jouvenal, A 12-Year-Old Girl Is Facing Criminal Charges for Using Certain Emoji. She’s Not Alone., WASH. POST (Feb. 27, 2016), https://www.washingtonpost.com/news/local/wp/2016/02/27/a-12-year-old-girl-is-facing-criminal-charges-for-using-emoji-shes-not-alone/ [https://perma.cc/T46R-ZF4A] (explaining a young girl’s message was believed to be a threat, “but prosecutors and the judge will have to sort out whether the bomb, gun and knife emoji indicated a desire to threaten the school, simply anger, or something else entirely”).

\(^{64}\) Nonverbal symbols are not restricted by particular definitions, unlike words alone. A single emoji, or a string of these symbols, can show the writer and reader’s perceptions. See Gabriella E. Ziccarelli, What You Don’t Know Can Hurt You: How Nonverbal Communication in Technology is Disrupting Litigation, BLANKROME: INSIDE COUNSEL (June 13, 2016), https://www.blankrome.com/index.cfm?contentID=37&itemID=3955 [https://perma.cc/J8BF-EXXJ] (accentuating the importance of interpreting emojis and the power these symbols will have on the legal field when preparing for a court case).

\(^{65}\) See Full Emoji List, v11.0, supra note 34 (demonstrating 2,789 emoji characters include various expressions and types of symbols that correspond to faces, food, sports, and flags from around the world, plus many more).


\(^{67}\) Compare Cohn, supra note 62 (relating similarities between emojis and hand gestures, which have the ability to determine whether a statement made is to be understood in a different light), with Opzeeland, supra note 49 (warning about the risk for misinterpretation when using emojis).
And is there any legitimate reason to text somebody a knife or gun icon?  

In early 2015, New York City courts were tested with one of these questions when a Brooklyn teen was arrested after posting an emoji-written message—in addition to written threats—on his online account, which raised concern for the safety of police officers in the area. The emoji message included a face which resembled that of a cop, followed by three guns aiming towards the emoji face. The attorney who represented the New York City teen said the post was not a threat directed at law enforcement, but only a statement made to show those reading the message that he was a strong individual. Not long after the New York incident, a middle school girl was charged with making a threat to her school on an Instagram post using emojis that stated, “Killing [gun emoji] meet me in the library Tuesday [gun emoji] [knife emoji] [bomb emoji].” Although the student’s mother did not think her daughter’s post was threatening, authorities had the duty to determine the thoughts behind the student’s message and to keep others out of danger. In addition to these cases, the social media site, Instagram, banned the eggplant emoji—an emoji not ordinarily thought of as offensive—for its analogous meaning to a part of the human anatomy. The purple fruit

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68. Bayly, supra note 66.
70. Id.
71. Jouvenal, supra note 63 (portraying the charge against the Brooklyn teen as being an overreach by the New York City police since many people use the same emojis and are not charged with any crimes).
73. See id. (stating that although the school did not find the young girl’s Instagram post threatening, it would be up to authorities to work out exactly what the emojis meant); see also Jouvenal, supra note 63 (explaining the legal field will need to determine whether the intended meaning of the message was to make a threat, written only out of anger, or as a result of some other motive).
posed a concern for Instagram’s community standards; at the time of its removal, however, the gun, knife and bomb emojis were allowed on the site.75

B. Comparing Emojis and Emoticons to Other Nonverbal Communications

Interpreting emojis and emoticons is similar to how courts treat other nonverbal communications.76 Most words have distinct definitions, but can be altered to convey a different meaning by various nonverbal factors, even if that meaning is not universally understood.77 Nonverbal communication is divided into two categories: visual cues and paraverbal cues.78 Over half of communication is based on visual cues, including outside appearances, facial expressions, and body language.79 Paraverbal cues are cues that surround speech such as the pitch, tone, and delivery of a statement.80 For example, when court interpreters are used to restate someone else’s original statement, they have the difficult task of recreating the speaker’s rendition of the events while safeguarding “the speaker’s

75. See id. (searching for photos and videos on Instagram tagged with controversial symbols, such as banana and peach emojis, was still permitted even though they too are used to describe parts of the human anatomy, as well as searches for posts tagged with the gun and bomb emojis).

76. Emojis and emoticons are mainly thought to be a part of our everyday communications outside of our jobs. However, usage of these symbols is also prolific in the workplace setting. Thus, the way a court interprets emojis is just as important as the intent of the person using them. Compare FED. R. EVID. 801(a) advisory committee’s note to 1972 proposed rules (“Whether nonverbal conduct should be regarded as a statement for purposes of defining hearsay requires further consideration. Some nonverbal conduct, such as the act of pointing to identify a suspect in a lineup, is clearly the equivalent of words, assertive in nature, and to be regarded as a statement.”), with Ziccarelli, supra note 64 (explaining emojis and emoticons “can make or break a case”); see also Opzeeland, supra note 49 (asserting emojis have the ability to enhance written messages in the same way as nonverbal communications because a majority of our communications rely on nonverbal cues).

77. See Peters, supra note 3, at 87 (recognizing tone, volume, and other signals can alter the meaning of words); see also Jouvenal, supra note 63 (expressing words are understood differently, in a way that symbols and images cannot be, because there are no set definitions for symbols and images “and their use can vary from user-to-user and context-to-context”).


79. See Pamela Peters, supra note 3, at 87 (“[A]ppearances, movement, expressions, and body language make up 55% of our communications . . . .”); see also Sporer & Schwandt, supra note 78 (documenting examples of visual cues, which include the movement of parts of the body and changes in facial expressions).

80. Sporer & Schwandt, supra note 78, at 2.
style, including ‘pauses, hedges, self-corrections, hesitations, and emotion,’ as well as the content of the message.81

One important similarity between emojis and other nonverbal communications is their ability to insinuate different gestures relating to the message.82 Although, similar to nonverbal communications, this too can often be hard to analyze.83 Michaels v. Loftus84 was one such case where a court looked into nonverbal communications made by an individual.85 The court interpreted evidence of hand gestures made by Michaels, an attorney, towards his opposing counsel to determine if his nonverbal gestures hindered the court in administering justice.86 Furthermore, a case in Arizona, State v. Printz,87 pointed out the types of gestures that can be admissible or inadmissible in a courtroom.88 Examples of inadmissible communications are described as “a nod of the head in response to a question or the deliberate pointing of a finger as a method of identification.”89 Conversely, instances of admissible behaviors would be the “raising of an umbrella in order to provide protection from precipitation . . . .”90

In another case involving nonverbal communications, McCorquodale v. Balkcom,91 potential jurors were asked to stand if they disapproved of the death penalty, and then to step forward if it would prevent them from

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81. Ileana Dominguez-Urban, The Messenger as the Medium of Communication: The Use of Interpreters in Mediation, 1997 J. DISP. RESOL. 1, 14 (1997). Parts of speech, outside of the words alone, play a great part in getting a specific message across. In the courtroom, this becomes especially important when interpreters are used to make sure an original rendition of the original speaker’s message is portrayed. See id. (indicating only a small number of individuals are able to be court interpreters because of the need to accurately reproduce a speaker’s communication to the jury in the same way as the speaker intended).

82. Hand signal emojis create gestures that are similar to those made in face-to-face speaking engagements. See Full Emoji List, v11.0, supra note 34 (illustrating the various types of emojis similar to physical gestures such as dancing, clapping, and hand signals).

83. See Ziccarelli, supra note 64 (stressing the notion that what one emoji means to the sender may mean something different to a receiver, judge, jury, or attorney in a case).


85. See id. at 325, 336 (overturning a contempt of court conviction for the use of a hand gesture).

86. See id. at 332–33 (explaining how gestures made by an attorney to opposing counsel, along with muttered statements in another language, were not sufficient to find the attorney in contempt).


88. See id. at 573 (differentiating nonverbal conduct as admissible or inadmissible by whether the one performing has intended to make an assertion).

89. Id.

90. Id.

voting for this punishment against a guilty party.92 This procedure, used to choose members of the jury, was challenged by the petitioner because he believed the veniremen’s nonverbal responses were insufficient to determine whether they would rule in favor of the death penalty, or would refuse its implementation no matter the circumstances.93 The court held that nonverbal communications in a jury voir dire were not the best method to retaining jury responses as they are more susceptible to error.94 However, because this method did not fail the court’s standard for questioning jurors, the court found that the jurors’ nonverbal responses were acceptable.95

Continuing the analysis using implied messages, the Supreme Court addressed the waiver of a suspect’s Miranda rights in *Berghuis v. Thompkins*96 to determine if a suspect impliedly waived his right to remain silent in an interrogation about a shooting.97 The suspect was read his Miranda rights before being questioned by detectives.98 For three hours he was quiet, although he never stated that he was not going to talk to officers, or that he wanted to contact counsel.99 At the end of the interrogation, the suspect was asked whether he prayed to God, and whether he asked God to forgive him regarding the shooting.100 Due to his verbal utterance, the court held that the waiver of the right to remain silent could be expressed or implied, and, therefore, the suspect’s statement implied that he was waiving his right to remain silent.101

C. Symbols and Text

Words alone do not show the sender’s tone, facial expressions, or other aspects important to getting the writer’s meaning across.102 However,
inserting an emoji into text can help the receiver better understand the meaning of the writer’s context, preventing an incorrect interpretation of a message based on words alone.103 In 1943, the Supreme Court referenced nonverbal communications by declaring, “Symbolism is a primitive but effective way of communicating ideas.”104 Teachers have even used emojis as a fun activity to help enhance students’ analytical skills by understanding the meaning of a statement through context clues.105 For example, when a smiley face (”:P”) is used in conjunction with text, it is obvious the writer intends that the reader make the determination that the statement is a joke.106 In Lenz v. Universal Music Corp.,107 the defense argued that the use of a winking emoji in a message meant that the plaintiff was not injured and had brought the case in bad faith.108 The plaintiff argued that she had used a winking face emoji as a mirror response to her friend’s statement that she loved how Lenz had “been injured ‘substantially and irreparably’ ;).”109 The court reviewed the messages and agreed with Lenz that her statement did not show that she was uninjured, but that she was just echoing her friend’s declaration.110

Communicators. See Peters, supra note 3, at 87 (explaining that communication depends upon more than just the text; in fact “appearances, movements, expressions, and body language make up 55% of our communications; tone, inflection, and sound another 38%, which leaves only 7% for content, our words”).

103. See Marissa King, Using Emojis to Teach Critical Reading Skills, EDUTOPIA (Oct. 13, 2016), https://www.edutopia.org/article/using-emojis-to-teach-critical-reading-skills-marissa-king [https://perma.cc/2LYZ-KJZ4] (indicating emojis are similar to words since they can have various meanings depending upon the context); see also Opzeeland, supra note 49 (asserting messages written with words alone can be misunderstood; thus, the addition of emojis or exclamation marks has proven to be helpful in reducing negative interpretations of a written message).


105. See King, supra note 103 (refreshing the classroom by adding student’s social media expertise to teach context clues).


110. Id.; see also Ziccarelli, supra note 64 (stating the court sided with Lenz in determining that a winky face was just a response to her friend’s initial message using the same symbol).
In *Elonis v. United States*, the Supreme Court addressed whether a man’s Facebook posts, addressed to his ex-wife, co-worker, and local elementary schools constituted true threats, rendering them unprotected speech under the First Amendment. Similar to the plaintiff’s renditions in *Lenz v. Universal Music Corp.*, Elonis argued that he inserted an emoji with its tongue sticking out adjacent to his text to show that the post was just a prank and was not intended to be taken seriously. Using a winking emoji could be a signal for the reader to take a harshly written statement lightly. However, this is not necessarily the case unless in every instance the writer uses a winking emoji they intend it to be a joke. Therefore, every statement made needs to be viewed separately to see if the symbol is intended for sarcasm, or another meaning.

D. Difficulty of Introducing Symbols As Evidence

The focus of the law has been primarily utilized to debate the meaning of words. However, with the emergence of pictograms in conversations, lawyers are faced with interpreting not only words, but visuals as well. The admissibility of emojis into evidence is a widely debated topic. The greatest problem facing the courts, in regard to these cartoonish symbols, is how to determine the sender’s intended

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112. *See id.* at 2002 (illustrating the background behind Anthony Elonis’s graphic lyrics that he made on Facebook using an alias). Although the posts were disclaimed by Elonis as being fabricated with no malicious intent towards anyone, “[a] state court granted [his ex-wife] a three-year protection-from-abuse order.” *Id.* at 2006; *see* Megan Chester, Note, *Lost in Translation: The Case for the Addition of a Directness Test in Online True Threat Analysis*, 23 COMMLAW CONSPECTUS 395, 396 (2014) (explaining “true threats” on a social platform are not protected under the First Amendment); *see also* Shapiro, *supra* note 25 (indicating the FBI viewed defendant’s social media posts as threats).
113. *See Margolin, supra* note 4 (describing that the use of a smiling emojis meant that the graphic lyrics, which were believed to be in reference to defendant’s ex-wife, indicated that the post was made in “jest”).
114. *See id.* (analyzing Elonis’ Facebook post to determine if his use of emojis was to change the tone of the written statement, or something else entirely).
115. *Id.*
116. *See id.* (stating that unless it is proven an emoji is intended to mean the same thing every time it is used, every statement made with an emoji needs to be reviewed individually to decipher the writer’s true intent).
117. *See Foster, supra* note 1, at 15 (recognizing the practice of “law used to be a discussion of the meaning of words”).
118. *See id.* (asserting words are being replaced in the legal field with visuals).
119. *See Jouvenal, supra* note 63 (showcasing an attorneys’ argument on whether emojis should be presented as evidence to juries).
message when a particular emoji is used. One symbol can change the meaning of a message. What makes emojis so difficult to understand is their close relationship to emotions, something that is not seen in basic text. Although people may want these visual symbols to have unambiguous meanings every time they are used, it is improbable that this will ever occur because it is difficult to place specific definitions on emotions. Additionally, having two or more emojis together can further change the meaning of a message.

No matter how experienced someone is using the keyboard on their phone or computer, they may accidently hit the wrong button. Other times, someone else may have stepped on, touched, or used the keyboard to type something that was not intended. This poses a great concern for courts when it is unclear how an individual meant to use an emoji, or even if they meant to use one at all. The confines of the evidence rules are continually pushed as cases involving these visual symbols become more prevalent, and courts are faced with the task of evaluating these difficult questions.

Learning how to understand people in everyday situations can be problematic, especially with the changes that society and technological advances pose. Every day people interact with individuals around the

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120. See id. (asserting one of the biggest problems for courts is to establish an offender's intent).
121. See Ziccarelli, supra note 64 (affirming the notion that how and when emojis are used can be important to any case).
122. See Margolin, supra note 4 (indicating the difficulty words have in articulating people's emotions—something that emojis are able to do).
123. See id. (expressing there will probably never be a dictionary for emojis because feelings cannot be defined the way that words are able to).
124. See Bayly, supra note 66 (“Two emojis together can instantly heighten the worry surrounding a conversation just as easily as they can dispel that concern.”).
126. See id. (explaining situations when a keyboard can be compromised, including a child's use of the keyboard, an animal stepping on it, or mistakenly typing in the wrong program on the computer).
127. Jouvenal, supra note 63. “Attorneys have argued over whether emoji should be presented to juries as evidence. Experts say the biggest problem is simply determining in court what a defendant actually intended by sending a particular emoji.” Id.
128. See id. (warning cases involving these symbols are quickly emerging).
129. See DIMITRIUS & MAZZARELLA, supra note 26, at 4–5 (emphasizing the difficulties faced in understanding others). One of the reasons it is so difficult to understand others is the lack of close
globe online, decreasing the amount of in-person contact that we have with each other. Since we are able to communicate through different platforms—some even reducing face-to-face interaction—it can be determined that “[a]ll forms of communication are not equal.” People who are effective communicators, such as Steve Jobs or Oprah Winfrey, have the ability to connect with their audiences by playing into their emotions and making their stories interesting. Gender also plays an important role in communications between individuals. Two approaches—“dominance” and “cultural”—have been analyzed to see the differences between gender and language. The “dominance” approach occurs when one individual maintains dominance over the other during a conversation. The “cultural” approach recognizes that there are various cultural influences that can affect language due to various factors such as “ethnic, regional, and class backgrounds.”

With the enormous growth of social media, courts have struggled to address how to deal with an introduction of evidence from these platforms. Furthermore, social media has also “created a broad debate among courts over how best to address issues of discoverability, admissibility, and authentication standards for social media evidence.” According to “general discovery principles, data found on social media relationships with “important people in our lives” due to changes in our society and the way that we communicate with each other. Id.

130. See id. at 5 (discussing the various options people have when needing to connect with someone, including options that avoid all visuals and other cues, or interacting with the person a great amount).

131. Id.

132. See BERT DECKER, YOU’VE GOT TO BE BELIEVED TO BE HEARD 17–21 (New York: St. Martin’s Press, rev. ed. 2008) (showing examples of new and old communicators in today’s society who are able to connect with audiences effectively).

133. See Deborah Tannen, INTRODUCTION TO GENDER AND CONVERSATIONAL INTERACTION 3 (Deborah Tannen ed., Oxford Univ. Press 1993) (explaining the relationship gender and language have with one another).

134. See id. at 4 (presenting the two theories described by gender and language analysts).

135. See id. at 4–5, 9 (describing the characteristics of the dominance theory of communications between genders).

136. Id. at 5.

137. See Elizabeth Flanagan, Note, #Guilty? Sublet v. State and the Authentication of Social Media Evidence in Criminal Proceedings, 61 VILL. L. REV. 287, 290–291 (2016) (advocating for a clearer standard for introducing social media evidence as their introductions into the courtroom increase); see also Jouvenal, supra note 63 (emphasizing the increase in cellphone usage and statements made on the Internet, and how many more courts will see emojis being submitted as evidence in cases).

websites should only be discoverable if relevant.” However, there is much debate on the topic of social media discovery since the broad allowances set forth in evidence law teeter between maintaining privacy for those making statements online and allowing courts to obtain details set forth through an open medium. In order to authenticate evidence obtained from any social networking website to be admitted, “the trial judge must determine that there is proof from which a reasonable juror could find that the evidence is what the proponent claims it to be.”

Content used as evidence from social media sources is feared by courts since “[t]he Federal Rules of Evidence in and of themselves do not significantly impede the admission of social media evidence.” Worried about hearsay and authentication problems, courts seem to put a higher standard on these areas of evidence, and sometimes tend to exclude relevant evidence for fear of making an error.

Even so, statements that might otherwise be beneficial to a case may have their relevancy challenged due to the unreliability of statements made on the Internet. The allowance of information acquired from social media evidence can greatly alter the outcome of a case and should be analyzed and introduced carefully.

One way evidence from social media can be admissible and introduced as evidence is under a hearsay exception, if it is offered by the opposing party, as long as “no other evidentiary problems, such as providing impermissible character evidence under Rule 404 or being so unfairly prejudicial so as to substantially outweigh the probative value of the statement under Rule 403,” exist. When a party to a case declares


140. See id. at 948 (“Overly broad social media discovery is not supported by either the existing rules governing discovery or by notions of privacy.”).


142. Uncel, supra note 21, at 44.

143. See id. (“To err on the side of caution, some courts apparently would rather exclude social media evidence than allow it to be authenticated and admitted using the existing Rules of Evidence.”).

144. See McPeak, supra note 140, at 889–90 (warning posts on social media can be irrelevant to a case due to the inaccuracy of a statement, or the misunderstanding of the post itself made by the reader, or one entering the post into evidence).

145. See id. (allowing just one statement made online can change the ending of a case, “especially as to damages or sentencing”).

146. See Aviva Orenstein, Friends, Gangbangers, Custody Disputants, Lend Me Your Passwords, 31 MISS. C. L. REV. 185, 196 n.63 (2012) (stating that evidence may be admitted through the
anything on a social media site, or performs an act, the statement is admissible under Rule 801(d)(2).147

In United States v. Ulbricht,148 also known as the Silk Road case, a U.S. district court judge directed the jury to evaluate the defendant’s social media utterance, along with an emoji, to observe the statement in the same way that the defendant had written it.149 The jury instruction was given after the prosecutor had read aloud the defendant’s post without including the missing smiley face.150 Judge Katherine B. Forrest ruled that the emoticon should be read to the jury since it was significant to determining the meaning of the message.151 This is just one case where the courts have had to decide whether to allow emojis in as evidence and how to handle the situation when it arises.152

Another problem facing courts, when faced with words alone, is determining the tone of a conversation.153 Although emojis are not audible, they can deliver a “visual equivalent to tone of voice.”154 Pitch,

147. See id. at 196 (spelling out the importance the hearsay exemption has on valuable evidence that can be introduced through social media platforms); see also FED. R. EVID. 801(d)(2), declaring an opposing party’s statement is not considered hearsay if: “The statement is offered against an opposing party and: (A) was made by the party in an individual or representative capacity; (B) is one the party manifested that it adopted or believed to be true; (C) was made by a person whom the party authorized to make a statement on the subject; (D) was made by the party’s agent or employee on a matter within the scope of that relationship and while it existed; or (E) was made by the party’s coconspirator during and in furtherance of the conspiracy”).


149. See supra note 2 (outlining the allowance of an emoji into evidence occurred after an “unusual debate, taking place out of the presence of the jury in Federal District Court in Manhattan, arose after a prosecutor finished reading the text of an Internet post”).

150. Id.

151. See id. (showing Judge Katherine B. Forrest’s explanation behind her choice to instruct a jury to hear a reading of a statement along with an emoticon, because it was “part of the evidence of the document”); see also Foster, supra note 1, at 14 (professing the importance of the jury to have all of the information available when reading a statement on social media, including any emojis that were written along with text).

152. See Weiser, supra note 2, at 14 (emphasizing the judge’s belief that the emoji be included with the message in order to have a fair trial).

153. See Margolin, supra note 4 (explaining the difficulty readers can have when establishing the “tone of voice in text message[s] or Internet exchanges”).

154. Id.
volume, and the overall sound of a voice can indicate various emotions of
the speaker.155

The sound of the voice often describes what emotion a person feels. The
most documented vocal sign of emotion is pitch, which becomes higher
with anger, fear or excitement, and drops with sadness. Louder faster
speech is associated with anger and fear, softer slower speech with
sadness. These changes in the voice are produced by emotion and are not
easy to conceal. Equally, no pitch change or emotion can be cause for
alarm. Detection apprehension will produce the sound of fear in someone’s
voice. Deception guilt often sounds like sadness.156

Communications involving words are less subjective than nonverbal
communication because they are more neutral and harder to skew.157 For
members of the legal community to prepare for trial and evaluate
nonverbal communications, they must look towards the perceptions,
context, and surroundings around the sender and receiver of a message.158
“A purported ‘smoking gun’ text message emoji chain presents a unique
problem. What emoji evidence means to the sender, may not have meant
the same thing to the receiver, let alone the same thing to a court or
jury.”159 Therefore, it is important to analyze messages in their totality,
along with any additional information related to the message.160

The way emojis are sent, received, and displayed can pose a large
problem for lawyers and juries alike.161 One proposed example of this

155. See Anthony L. DeWitt, Trial Technique: Detecting Deception During Voir Dire, 39 AM. J.
TRIAL ADVOC. 25, 41 (2015) (affirming a spoken voice can be used to determine a speaker’s
emotions, giving the listener the ability to detect any deception in the speaker’s statement).
156. Id. (quoting STU DUNN, TRUE LIES: A GUIDE TO READING FACES, INTERPRETING
BODY LANGUAGE AND DETECTING DECEPTION IN THE REAL WORLD 128 (2013)).
157. See id. (recognizing nonverbal communication does not pertain to definitions,
differentiating from verbal communications, but instead from the “sender and receiver’s perceptions,
experiences, and context”).
158. See id. (arguing circumstances can change the meaning of a message).
159. Id.
160. It is important, when analyzing the meaning of a message, to account for the overall
corpus (spelling corrected) of the situation, not just the message itself. For example, if two individuals have a history of
hostility, the meaning of a message can be greatly altered. See Bayly, supra note 66 (arguing circumstances can change the meaning of a message).
161. Attorneys need to be cognizant of ever-changing techonology as it can pose great
challenges to the way that they analyze and use evidence in preparing for cases. See Henry & Harrow,
supra note 108 (cautioning courts and litigants when using emojis as evidence since emojis can be
seen differently when displayed on separate platforms); see also Ziccarelli, supra note 64 (”Once
difference in interpretation, is that “the ‘alien monster’ emoji looks playful in LG Electronics Inc.’s character set, like an old video game alien on an iPhone, but downright scary in Samsung Electronics Co. Ltd.’s Galaxy S5 set.”162 This is one of many emojis that can appear differently when viewed on different platforms, and in practice it is almost impossible to quantify all such variations.163 For instance, if a person makes a statement saying “I’m going to kill you,” this could have different meanings depending on the nature and circumstances of the situation, especially where emojis are used.164 The same five-word phrase included in the lyrics of a song “performed for an audience or sold in recorded form are unlikely to be interpreted as a real threat to a real person.”165 Conversely, if the statement uses a social media forum, it is more likely to be taken as a serious threat to the person to whom it is directed.166

E. Nonverbal Communication Across Cultural Lines

Different gestures can have different meanings among various countries and can have a large impact on communication; thus, parties need to be aware of these differences when communicating with others globally.167 When trying to understand what an emoji represents, the location and

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162. Henry & Harrow, supra note 108.
163. See Ziccarelli, supra note 64 (illustrating how different providers have emojis that vary from one another). Another example is the dancing emoji, which “is a lady in a ruffled red dress” on Apple iPhones” and “a gentleman in casual clothes” on a Samsung phone. Id.
164. Making a statement, such as “I’m going to kill you[,”] can be said in a joking or threatening way depending on the circumstances leading up to the utterance, tone of the speaker or writer, surroundings of the overall situation, and other contexts. All factors must be put together to determine what a speaker or writer intended the utterance to mean. See Corbin v. State, 840 N.E.2d 424, 429 (Ind. Ct. App. 2006) (explaining a threat to kill also may manifest an intent to kill when additional circumstances such as the firing of a deadly weapon at the individual); see also Elonis v. United States, 135 S. Ct. 2001, 2017 (2015) (treating whether the writer ensured the recipient would see online threats as a factor in analyzing the seriousness of the threats made).
166. See id (determining the same words can be considered as more or less threatening depending on whether they are aimed towards a particular victim versus shown to a broad array of people).
background of the emoji user will be an important factor in determining the meaning of the statement.\textsuperscript{168} An emoji used in America can mean something totally different in another country.\textsuperscript{169} One example of this is a basic signal used by many Americans which involves making a circle with their thumb and index finger to indicate that they are “OK.”\textsuperscript{170} However, this same signal means “money” in Japan, “zero” in France, and is an offensive gesture in many other countries.\textsuperscript{171} President George W. Bush was criticized for a hand gesture he made on Inauguration Day in 2005.\textsuperscript{172} The “hook ‘em” sign he gave to The University of Texas band had negative connotations, as it means “your wife is cheating on you” for Italians, or a curse in parts of Africa.\textsuperscript{173} Sometimes the non-textual signals can have more impact on the meaning of a message than the words themselves.\textsuperscript{174} Therefore, it is important, when analyzing communications across cultural boundaries, to make sure a gesture is not interpreted to mean something totally different from what the writer or speaker intended.\textsuperscript{175}

F. Emojis and Law Around the World

Communications across the globe are constantly changing as people are “becoming more interconnected” through new communication

\textsuperscript{168} See Yutaro Hayashi, Emojis Interpreted Differently Across Cultures, ARBITER (Apr. 19, 2016), https://arbiteronline.com/2016/04/19/emojis-interpreted-differently-across-cultures/ [https://perma.cc/D8VG-M2DC] (warning misunderstandings may occur when people from various countries use emojis).

\textsuperscript{169} See id. (positing the various interpretations of emojis between the East and West are due primarily to the fact that Western cultures look at the mouth of an emoji, while Eastern cultures look at the eyes to determine the type of emotion conveyed); see also Margolin, supra note 4 (contending the specificity emojis have in various cultures and communities—enabling them to have different meanings and usages to different people—prevents them from being universally defined).

\textsuperscript{170} Cotton, supra note 168.

\textsuperscript{171} See id. (noting the American “OK” gesture has adverse connotations in other countries around the world).

\textsuperscript{172} Id.

\textsuperscript{173} Id.; see also Bush Shocks Foreigners with ‘Satanic’ Sign, FOX NEWS (Jan. 21, 2005), http://www.foxnews.com/story/2005/01/21/bush-shocks-foreigners-with-satanic-sign.html [https://perma.cc/2WHV-7ZWV] (reporting President George W. Bush’s hand gesture portraying a “hook ‘em” sign shocked foreigners. This gesture is “popular among heavy metal groups” and also viewed as a salute to Satan for residents of Norway).

\textsuperscript{174} See Cotton, supra note 168 (“Body language often conveys more than the words we use. At times, it can completely change—or even nullify—our words’ meaning.”).

\textsuperscript{175} See id. (emphasizing the importance of being cognizant of potentially different meanings when using gestures to communicate with other cultures).
forums. International communications have been altered as “[t]echnology and social media are widening [the] horizon and creating new cultures that have nothing to do with shared nationality or demographics.” When communicating with people from all over the world, it is important to realize that not everyone thinks and expresses their views the same way.

Communication is not only about producing messages you want other people to hear. It is about understanding what moves the listener. And in order to be able to do that, you need to know the listener’s points of reference, their culture, their values, their ways of relating to the world.

For example, when facilitating a mediation between parties of different cultures, mediators must be careful with their body language and cues that they make during communications with the parties.

One overseas case involving the use of emojis in conjunction with text is McAlpine v. Bercow. In 2012, a broadcast in the United Kingdom made accusations against a former Conservative party member who allegedly committed child abuse, although the report never named a specific individual. A libel and slander case arose two days after the broadcast when the defendant issued a post on Twitter stating, “Why is Lord McAlpine trending? *Innocent face.*” The court had the job of determining whether the insertion of the words “*Innocent face*” were to be read literally, or were disingenuous and insinuated that Lord McAlpine was a pedophile. The court looked to the defendant’s Twitter

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176. See Silvia Cambié & Yang-May Ooi, Internal Communications Strategy: Developments in Cross-Cultural Communications, PR and Social Media viii (2009) (understanding the increase in globalization and changes in communication have engrossed cultures with one another).
177. Id.
178. See id. at 3 (realizing effective communication requires communicators to understand the listener’s perspective when trying to correspond with them effectively).
179. Id.
180. See Dominguez-Urban, supra note 81, at 49 (explaining that mediators should be aware of their own and body language and body language from others in cross-cultural mediations to prevent any problems in the mediation process).
182. See id. at 10, [15] (reciting the previous circumstances leading up to the reasons why the defendants post could be portrayed as defamatory towards Lord McAlpine).
183. See id. at [1], [3], [15].
184. See id. at [33]–[34] (detailing the court’s dilemma on the meaning of a descriptive emoticon).
followers, the followers’ knowledge of the broadcast, and the defendant’s interests in political affairs. The court held that a reasonable reader, along with the evidence, would believe that the statement was an innuendo leading to the claim that the plaintiff was a child abuser, and found the defendant guilty. This case demonstrates that language in a litigant’s post—portraying a descriptive emoticon or emoticons themselves—can be utilized to show the writer’s intended meaning. Nevertheless, writers of posts on social media should note that the utilization of an emoji, emoticon, or similar device, does not permit an individual to escape liability when defamatory statements are made.

G. What Courts Should See in the Future

The popularity of these pictorial characters has risen quickly. Emojis and emoticons are now replacing netspeak, or Internet slang such as “OMG” or “LOL” in communications. In 2016, an Apple

185. See at [10], [81].

186. A reasonable person could have seen the message and determined Bercow was insinuating that Lord McAlpine was a child abuser, although none of the text specifically said this. See at [83]–[84], [90]; see also Julian Pike, Defamation on Social Media, LAW SOCIETY GAZETTE (June 17, 2013), [https://www.lawgazette.co.uk/practice-points/defamation-on-social-media/71314.article] (“Bercow’s followers were probably people who shared her interest in politics and current affairs and who, by the date of the tweet, would also be familiar with the key elements of the Newsnight story . . . .”).

187. See Pike, supra note 186 (stressing the exercise of emoticons and their equivalents can help readers determine the writer’s state of mind).

188. See id. (warning liability will shadow any wrongful statement made connecting a person and an unlawful activity, regardless of any symbol inserted by a sender that they believe is ironic or humorous).

189. See Clive Thompson, The Emoji Is the Birth of a New Type of Language ( Is No Joke), WIRED (Apr. 19, 2016, 5:27 AM), [https://www.wired.com/2016/04/the-science-of-emoji/] (discussing the rise of emojis and emoticons online and on various messaging platforms such as iOS and Android).

190. See Netspeak, CAMBRIDGE DICTIONARY, [https://dictionary.cambridge.org/dictionary/english/netspeak] (defining netspeak used on the Internet as “words, abbreviations, etc. that people use when communicating on the Internet”).

191. See OMG, CAMBRIDGE DICTIONARY, [https://dictionary.cambridge.org/us/dictionary/english/omg] (describing the term OMG as a “written abbreviation for Oh my God: used when someone is surprised or excited about something”).

192. See Lol, CAMBRIDGE DICTIONARY, [https://dictionary.cambridge.org/us/dictionary/english/lol] (defining LOL as an “abbreviation for laughing out loud”: used in text messages and on social media to indicate something is intended as a joke).

193. See Thompson, supra note 189; see also Dua, supra note 31 (illustrating Internet slang and other words have been replaced by emojis, such as a smiley face with tears of joy representing laughter or meaning “lol” and a thumbs-up emoji used to tell someone “good job”).
update for iOS users created a tap-and-replace option for emojis that automatically gave users the ability to replace words in their messages with corresponding emojis.\textsuperscript{194} Most recently, Apple revealed a new feature on the iPhone 8 and iPhone X to create custom 3D animated emojis.\textsuperscript{195} In Apple’s press release they explained, “[T]he TrueDepth camera captures and analyzes over [fifty] different facial muscle movements, then animates those expressions in a dozen different Animoji . . . .”\textsuperscript{196} These animojis are in the shapes of cartoon characters such as pandas, unicorns, and robots.\textsuperscript{197} Following Apple’s footsteps, Samsung also released a similar feature called Augmented Reality Emoji, or AR Emoji, which allows a user to turn a photograph of themselves into a realistic cartoon emoji.\textsuperscript{198} As explained by Samsung’s AR Emoji design team, “a large part of communication is ‘self-expression.’”\textsuperscript{199} The modern feature was added as a way to satisfy the demand by smartphone users to express a range of emotions, by analyzing more than one hundred facial features, to create a new form of visual communication.\textsuperscript{200} These new technologies may be cause for additional concern, raising questions about how reliably the images depict the actual facial expressions of the user.

The Internet has helped to increase creativity in the social world as people share their life experiences.\textsuperscript{201} Facebook Vice President for Europe, the Middle East, and Africa, Nicola Mendelsohn, has even

\begin{itemize}
\item \textsuperscript{196} Id.
\item \textsuperscript{197} Id.
\item \textsuperscript{199} Id.
\item \textsuperscript{200} See id. (describing the facial recognition technology features on the Galaxy S9’s camera that are used to create an AR Emoji).
\item \textsuperscript{201} See Cassie Werber, \textit{Facebook Is Predicting the End of the Written Word}, QUARTZ (June 14, 2016), https://qz.com/706461/facebook-is-predicting-the-end-of-the-written-word/ [https://perma.cc/4ML7-YDX9] (arguing the Internet has increased people’s creativity, even if it is a small increase, because of the many technological changes and ability for self-expression).
\end{itemize}
proposed that written text will be superseded by moving images in as little as five years.\textsuperscript{202} In order for attorneys to be prepared for the future, they must be prepared for changes in technology and must gain valuable knowledge about the challenges these new ways of communicating will pose to the legal profession.\textsuperscript{203}

IV. CONCLUSION

The prevalence of moving images over written text in everyday communications will require courts address how they will deal with the introduction of emojis as evidence.\textsuperscript{204} The foundations set today in reference to the admission of emojis as evidence will establish a precedent as new technology emerges.\textsuperscript{205} Modifications to the Federal Rules of Evidence to match up with evolving social media networks will give courts the resources needed to handle cases involving emojis.\textsuperscript{206} For now, courts can look to the steps taken in analyzing nonverbal communications in the courtroom.\textsuperscript{207} Overall, to keep up with changes in the way that people communicate with each other, the legal community needs to

\begin{enumerate}
\item \textsuperscript{202} See id. (predicting, during a recent conference, that Facebook “will be definitely mobile, it will be probably all video” within the next few years and suggesting statistics “showed the written word becoming all but obsolete”).
\item \textsuperscript{203} Effective attorneys recognize new challenges and will strive to create strategies to stay one step ahead of others. Having knowledge about technological advances and learning how to deal with these changes will help an attorney become more effective at their job. See Ziccarelli, supra note 64 (declaring that, in addition to understanding and being prepared for the basic concepts that the Federal Rules of Evidence pose for spoken and written context, “savy litigators and corporate counsel can include nonverbal communication strategy as a part of a company’s litigation tactic to stay ahead of the curve and the opposition”); see also Jouvenal, supra note 63 (highlighting issues involving emojis in the legal profession will only continue in the future since people are increasingly using their phones and the Internet to make statements).
\item \textsuperscript{204} See Dua, supra note 31 (noting emojis have grown increasingly popular, replacing the use of Internet slang online); see also Foster, supra note 1, at 14–15 (stating usage of emojis has been on the rise and has entered courtrooms, forcing judges and attorneys alike to determine the proper way to address these symbols).
\item \textsuperscript{205} See Camson, supra note 5 (expressing the continued evolution of the Federal Rules of Evidence to keep up with a society dependent on technology); see also Margolin, supra note 4 (noting the allowance of emojis as evidence in the Silk Road case has provided opportunities for courts to reform the way that they deal with introducing online or written evidence).
\item \textsuperscript{206} Cf. Margolin, supra note 4 (emphasizing the difficulty and time it would take to change the Federal Rules of Evidence to include rules on how to deal with emojis, especially since the courts are in constant struggle trying to keep up with changes in social media).
\item \textsuperscript{207} See FED. R. EVID. 801 (determining a nonverbal statement can be used under a hearsay exemption if an individual intended it to be an assertion).
\end{enumerate}
enhance the rules of evidence and take a proactive approach in dealing with advancements in technology.