

# Salvatore Giorgi

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CONTACT INFORMATION	sal.giorgi@gmail.com (267) 312-3734	<a href="http://www.salvatoregiorgi.com">www.salvatoregiorgi.com</a> <a href="#">Google Scholar</a>
RESEARCH INTERESTS	To build and evaluate human-centered artificial intelligence and natural language processing systems which consider language within its multilevel psychological, social, and environmental context, with applications in health and well-being.	
EDUCATION	<b>University of Pennsylvania</b> , Philadelphia, Pennsylvania Ph.D., Computer Science, 2023 Advisors: H. Andrew Schwartz and Lyle Ungar Title: Multi-level methods for estimating community language from social media with user and community socio-demographics  <b>Temple University</b> , Philadelphia, Pennsylvania Master of Science, Electrical Engineering, 2014 Bachelor of Science, Electrical Engineering, 2012  <b>Community College of Philadelphia</b> , Philadelphia, Pennsylvania Associate in Science, Engineering, 2009 Associate in Science, Mathematics, 2009	
RESEARCH & ACADEMIC EXPERIENCE	<b>co-Principal Investigator</b> University of Pennsylvania, World Well-Being Project	2024 - Present
	<b>Researcher</b> NIH/NIDA, Technology and Translational Research Unit	2019 - Present
	<b>Senior Data Scientist</b> University of Pennsylvania, World Well-Being Project	2015 - 2019
	<b>Software Developer</b> University of Pennsylvania, Linguistic Data Consortium	2014 - 2015
	<b>Research Assistant</b> Temple University, CSNAP Laboratory	2011 - 2014
PUBLICATIONS	<ol style="list-style-type: none"><li>1. Liu, T., <b>Giorgi, S.</b>, Aich, A., Lahnala, A., Curtis, B., Ungar, L., and Sedoc, J., <i>The Illusion of Empathy: How AI Chatbots Shape Conversation Perception</i>, AAAI, 2025</li><li>2. Varadarajan, V. *, <b>Giorgi, S. *</b>, Mangalik, S., Soni, N., Markowitz, D., and Schwartz, H.A., <i>The Consistent Lack of Variance of Psychological Factors Expressed by LLMs and Spambots</i>, Detecting AI-Generated Content Workshop at COLING, 2024</li><li>3. Speed, S., Sherman, G., Wang, T., Pince, C., Sanfilippo, J., Montemitro, C., <b>Giorgi, S.</b>, Curtis, B., Farinelli, L., Farokhnia, M., and Leggio, L., <i>Bariatric Surgery and Alcohol and Substance Use: A Case-Control Survey Study</i>, Drug and Alcohol Dependence, 2024</li><li>4. <b>Giorgi, S.</b>, Liu, T., Aich, A., Isman, K.J., Sherman, G., Fried, Z., Sedoc, J., Ungar, L., Curtis, B., <i>Modeling Human Subjectivity in LLMs Using Explicit and Implicit Human Factors in Personas</i>, Findings of EMNLP, 2024</li></ol>	

5. Guntuku, S.C., Talhelm, T., Sherman, G., Fan, A., **Giorgi, S.**, Wei, L. Ungar, L., *Historical patterns of rice farming explain modern-day language use in China and Japan more than modernization and urbanization* , Humanities & Social Sciences Communications , 2024
6. **Giorgi, S.**, Isman, K., Liu, T., Fried, Z., Sedoc, J., and Curtis, B., *Evaluating Generative AI Responses to Real-world Drug-Related Questions*, Psychiatry Research, 2024
7. **Giorgi, S.**, Jones, J.J., Buffone, A.E.K., Eichstaedt, J.C., Crutchley, P., Yaden, D.B., Elstein, J., Zamani, M., Kregor, J., Smith, L. K., Seligman, M.E.P., Kern, M.L., Ungar, L., and Schwartz, H.A., *Quantifying Generalized Trust in Individuals and Counties Using Language*, Frontiers in Social Psychology-Computational Social Psychology, 2024
8. Havaldar, S., **Giorgi, S.**, Rai, S., Cho, Y.M., Talhelm, T., Guntuku, S.C., and Ungar, L., *Building Knowledge-Guided Lexica to Model Cultural Variation External*, NAACL 2024
9. **Giorgi, S.**, Bellew, D., Habib, D., Sherman, G., Sedoc, J., Smitterberg, C., Devoto, A., Himelein-Wachowiak, M., Curtis, B., *Lived Experience Matters: Automatic Detection of Stigma on Social Media Toward People Who Use Substances*. ICWSM, 2024
10. Rai, S., Stadel, E., **Giorgi, S.**, Francisco, A., Ungar, L.H., Curtis, B., Guntuku, S.C., *Key language markers of depression depend on race*. PNAS, 2024
11. Mangalik, S., Eichstaedt, J.C., **Giorgi, S.**, Mun, J., Ahmed, F., Gill, G., Ganesan, A.V., Subrahmanya, S., Soni, N., Clouston, S., Schwartz, H.A., *Robust language-based mental health assessments in time and space through social media*. Nature Digital Medicine, 2024
12. Dey, G., Ganesan, A.V., Lal, Y.K., Shah, M., Sinha, S., Matero, M., **Giorgi, S.**, Kulkarni, V., Schwartz, H.A, *SOCIALITE-LLAMA: An Instruction-Tuned Model for Social Scientific Tasks*. EACL, 2024
13. Ward, G., Schwartz, H.A., **Giorgi, S.**, Menges, J., Matz, S., *The Role of Negative Affect in Shaping Populist Support: Converging Field Evidence from across the Globe*. American Psychologist, 2024
14. **Giorgi, S.**, Eichstaedt, J. C., Preotiuc-Pietro, D., Gardner, J.R., Schwartz, H. A., Ungar, L. *Filling in the White Space: Spatial Interpolation with Gaussian Processes and Social Media Data*. Current Research in Ecological and Social Psychology, 2023
15. **Giorgi, S.**, Habib, D., Bellew, D., Sherman, G., Curtis, B. *A Linguistic Analysis of Dehumanization toward Substance Use across Three Decades of News Articles*. Frontiers in Public Health-Substance Use Disorders and Behavioral Addictions, 2023
16. **Giorgi, S.\***, Sherman, G.\* , Bellew, D., Guntuku, S.C., Ungar, L., Curtis, B. *AWARE-TEXT: An Android Package for Mobile Phone Based Text Collection and On-Device Processing*. NLP-OSS at EMNLP, 2023
17. **Giorgi, S.**, Curtis, B., *Leveraging AI to predict substance use disorder treatment outcomes*. Neuropsychopharmacology, 2023
18. Wu, T., Sherman, G., **Giorgi, S.**, Thanneeru, P., Ungar, L., Kamath, P.S., Simonetto, D., Curtis, B., Shah, V., *Smartphone sensor data estimates alcohol craving in a cohort of patients with alcohol-associated liver disease and alcohol use disorder*. Hepatology Communications, 2023
19. Tao, X., Liu, T., **Giorgi, S.**, Fisher, C.B., Curtis, B., *Extended Impact of the COVID-19 Pandemic: Trajectories of Mental Health and Substance Use among U.S. Adults, September 2020 August 2021*. Drug and Alcohol Dependence, 2023
20. **Giorgi, S.\***, Markowitz, D.\* , Soni, N., Varadarajan, V., Mangalik, S., and Schwartz, H.A., *“I Slept Like a Baby”: Using Human Traits To Characterize Intentionally Deceptive Human Text and Inherently Deceptive ChatGPT Text*. IACT, 2023

21. Barriere, V., Sedoc, J., Tafreshi, S., **Giorgi, S.** *Findings of WASSA 2023 Shared Task on Empathy, Emotion and Personality Detection in Conversation and Reactions to News Articles*. Proceedings of the 13th Workshop on Computational Approaches to Subjectivity, Sentiment & Social Media Analysis, 2023
22. **Giorgi, S.**, Yaden, D.B., Eichstaedt, J.C., Ungar, L.H., Schwartz, H.A., Kwarteng, A., and Curtis, B. *Predicting U.S. County Opioid Poisoning Mortality From Multi-Modal Social Media and Psychological Self-Report Data*. Scientific Reports, 2023
23. Curtis, B., **Giorgi, S.**, Ungar, L., Vu, H., Yaden, D., Liu, T., Yadeta, K., and Schwartz, H.A. *AI-based Analysis of Social Media Language Predicts Addiction Treatment Dropout at 90 Days*. Neuropsychopharmacology, 2023
24. Gray, A., Liu, T., **Giorgi, S.**, Fisher, C. B., and Curtis, B. *Differences in Mental Health and Alcohol Use Across Profiles of COVID-19 Disruptions*. Alcohol and Alcoholism, 2023
25. **Giorgi, S.**, Zhao, K., Feng, A.H., and Martin, L.J., *Author as Character and Narrator: Deconstructing Personal Narratives from the r/AmITheAsshole Reddit Community*, ICWSM, 2023
26. Liu, T.\*, **Giorgi, S.\***, Tao, X., Guntuku, S.C., Bellew, D., Curtis, B., and Ungar, L.H., *Different Affordances on Facebook and SMS Text Messaging Do Not Impede Generalization of Language-Based Predictive Models*, ICWSM, 2023
27. Aggarwal, A., Rai, S., **Giorgi, S.**, Havaldar, S., Sherman, S., Mittal, J., and Guntuku, S.C., *A Cross-Modal Study of Pain Across Communities in the United States*, SocialNLP, 2023
28. Turpin, R., **Giorgi, S.**, and Curtis, B., *Pandemic Distress Associated with Segregation and Social Stressors*, Frontiers in Public Health, 2023
29. Habib, D.<sup>†</sup>, **Giorgi, S.**, and Curtis, B., *Role of the Media in Promoting the Dehumanization of People Who Use Drugs*, The American Journal of Drug and Alcohol Abuse, 2023
30. Yaden, D.\*, **Giorgi, S.\***, Jordan, M., Buffone, A., Eichstaedt, J.C., Schwartz, H.A., Ungar, L.H., Bloom, P., *Characterizing Empathy and Compassion Using Computational Linguistic Analysis*. Emotion, 2023
31. Kjell, O., **Giorgi, S.**, Schwartz, H.A., *The Text-Package: An R-Package for Analyzing and Visualizing Human Language Using Natural Language Processing and Transformers*, Psychological Methods, 2023
32. Matero, M., **Giorgi, S.**, Curtis, B., Ungar, L.H., Schwartz, H.A., *Opioid Death Projections with AI-based Forecasts using Social Media Language*. Nature Digital Medicine, 2023
33. Lou, S.\*<sup>†</sup>, **Giorgi, S.\***, Liu, T., Eichstaedt, J.C., Curtis, B., *Measuring Disadvantage: A Systematic Comparison of United States Small-Area Disadvantage Indices*. Health and Place, 2023
34. Levanti, D., Monastero, R.N., Zamani, M., Eichstaedt, J.C., **Giorgi, S.**, Schwartz, H.A., Meliker, J.R., *Depression and anxiety on Twitter during the COVID-19 stay-at-home period in seven major US cities*, AJPM Focus, 2023
35. Tao, X., Liu, T., Fisher, C.B., **Giorgi, S.**, Curtis, B., *COVID-related social determinants of substance use disorder among diverse US racial ethnic groups*, Social Science & Medicine 2022
36. **Giorgi, S.**, Lynn, V., Gupta, K., Ahmed, F., Matz, S., Ungar, L.H., and Schwartz, H.A., *Correcting Sociodemographic Selection Biases for Population Prediction from Social Media*, ICWSM 2022
37. **Giorgi, S.**, Guntuku, S.C., Himelein-Wachowiak, K., Kwarteng, A., Hwang, S., Rahman, M., and Curtis, B., *Twitter Corpus of the #BlackLivesMatter Movement and Counter Protests: 2013 to 2021*, ICWSM 2022
38. **Giorgi, S.**, Himelein-Wachowiak, M., Habib, D., Ungar, L.H., and Curtis, B., *Nonsuicidal Self-Injury and Substance Use Disorders: A Shared Language of Addiction*, CLPsych 2022

39. Bragard, E., **Giorgi, S.**, Juneau, P., and Curtis, B., *Daily diary study of loneliness, alcohol, and drug use during the COVID-19 Pandemic*, Alcoholism: Clinical and Experimental Research (ACER) 2022
40. Liu, T., **Giorgi, S.**, Yadeta, K., Schwartz, H.A., Ungar, L.H., and Curtis, B., *Linguistic predictors from Facebook postings of substance use disorder treatment retention versus discontinuation*, The American Journal of Drug and Alcohol Abuse 2022
41. van Loon, A., **Giorgi, S.**, Willer, R., and Eichstaedt, J.C., *Negative Associations in Word Embeddings Predict anti-Black Bias Across Regions—but only via Name Frequency*, ICWSM 2022
42. Vu, H., **Giorgi, S.**, Clifton, J., Balasubramanian, H., and Schwartz, H.A., *Modeling Latent Dimensions of Human Beliefs*, ICWSM 2022
43. Himelein-Wachowiak, M.<sup>†</sup>, **Giorgi, S.**, Kwarteng, A., Schriefer, D., Smitterberg, C., Yadeta, K., Bragard, E., Devoto, A., Ungar, L.H., and Curtis, B., *Getting “clean” from nonsuicidal self-injury: Experiences of addiction on the subreddit r/selfharm*, Journal of Behavioral Addictions 2022
44. Jose, R., Matero, M., Sherman, G., Curtis, B., **Giorgi, S.**, Schwartz, H.A., and Ungar, L.H., *Using Facebook language to predict and describe excessive alcohol use*, Alcoholism: Clinical and Experimental Research (ACER) 2022
45. Franco, O., Calkins, M., **Giorgi, S.**, Ungar, L.H., Gur, R., Kohler, C., and Tang, S., *Feasibility of Mobile Health and Social MediaBased Interventions for Young Adults With Early Psychosis and Clinical Risk for Psychosis: Survey Study*, JMIR Form Res 2022
46. Bragard, E., **Giorgi, S.**, Juneau, P., and Curtis, B. L. *Loneliness and Daily Alcohol Consumption During the COVID-19 Pandemic*, Alcohol and Alcoholism 2021
47. Fisher, C. B., Tao, X., Liu, T., **Giorgi, S.**, and Curtis, B. L. *COVID-Related Victimization, Racial Bias and Employment and Housing Disruption Increase Mental Health Risk Among US Asian, Black and Latinx Adults*, Frontiers in Public Health, 2021.
48. **Giorgi, S.**, Nguyen, K.L., Eichstaedt, J.C., Kern, M.L., Yaden, D.B., Seligman, M.E.P., Ungar, L.H., Schwartz, H.A., and Park, G., *Regional Personality Assessment through Social Media Language*, Journal of Personality 2021
49. **Giorgi, S.**, Ungar, L.H., and Schwartz, H.A., *Characterizing Social Spambots by their Human Traits*, ACL Findings 2021
50. **Giorgi, S.**, Guntuku, S.C., Eichstaedt, J.C., Pajot, C., Schwartz, H.A., and L.H., *Well-Being Depends on Social Comparison: Hierarchical Models of Twitter Language Suggest That Richer Neighbors Make You Less Happy*, ICWSM 2021
51. **Giorgi, S.**, Zavarella, V., Tanev, H., Stefanovitch, N., Hwang, S., Hettiarachchi, H., Ranasinghe, T., Kalyan, V., Tan, P., Tan, P., Andrews, M., Hu, T., Stoeher, N., Ignazio Re, F., Vegh, D., Atzenhofer, D., Curtis, B., and Hurriyetoglu, A., *Discovering Black Lives Matter Events in the United States: Shared Task 3, CASE 2021*, Challenges and Applications of Automated Extraction of Socio-political Events from Text (CASE) 2021
52. Eichstaedt, J.C., Sherman, G.T., **Giorgi, S.**, Roberts, S. O., Reynolds, M. E., Ungar, L. H., and Guntuku, S. C. *The emotional and mental health impact of the murder of George Floyd on the US population*, PNAS 2021
53. Himelein-Wachowiak, M.<sup>†</sup>, **Giorgi, S.**, Devoto, A., Rahman, M., Ungar, L.H., Schwartz, H.A., Epstein, D.H., Leggio, L., and Curtis, B., *Bots and misinformation spread on social media: A mixed scoping review with implications for COVID-19*, JMIR 2021
54. Yaden, D.B., **Giorgi, S.**, Kern, M.L., Adler, A., Ungar, L.H., Seligman, M.E.P., and Eichstaedt, J.C., *Beyond beliefs: Multidimensional Aspects of Religion and Spirituality in Language*, Psychology of Religion and Spirituality 2021

55. Jaidka, K., Eichstaedt, J.C., **Giorgi, S.**, Schwartz, H. A., and Ungar, L.H., *Information-seeking vs. sharing: Which explains regional health? An analysis of Google Search and Twitter trends*, Telematics and Informatics 2021
56. Zamani, M., Schwartz, H.A., Eichstaedt, J., Guntuku, S.C., Ganesan, A.V., Clouston, S., **Giorgi, S.**, *Understanding Weekly COVID-19 Concerns through Dynamic Content-Specific LDA Topic Modeling*, NLP+CSS 2020
57. **Giorgi, S.**, Yaden, D.B., Eichstaedt, J.C., Ashford, R.D., Buffone, A., Schwartz, H.A., and Ungar, L.H., *Cultural Differences in Tweeting about Drinking Across the U.S.*, International Journal of Environmental Research and Public Health 2020
58. Abebe, R.\*, **Giorgi, S.\***, Tedijanto, A., Buffone, A.E.K., Schwartz, H.A., *Quantifying Community Characteristics of Maternal Mortality Using Social Media*, The Web Conference 2020
59. Jaidka, K., **Giorgi, S.**, Schwartz, H.A., Kern, M.L., Ungar, L.H., and Eichstaedt, J.C., *Estimating geographic subjective well-being from Twitter: A comparison of dictionary and data-driven language methods.*, PNAS 2020
60. Eichstaedt, J. C., Kern, M. L., Yaden, D. B., Schwartz, H. A., **Giorgi, S.**, Park, G., Hagan, C.A., Tobolsky, V., Smith, L. K., Buffone, A., Iwry, J., Seligman, M. E. P., and Ungar, L. H., *Closed and Open Vocabulary Approaches to Text Analysis: A Review, Quantitative Comparison, and Recommendations*, Psychological Methods 2020
61. Stevens, R., Brawner, B.M., Kranzler, E.C., **Giorgi, S.**, Lazarus, E., Abera1, M., Huang, S., and Ungar, L.H., *Same drugs, new media: A mixed methods study of youth substance use tweets in the U.S.*, JMIR Public Health and Surveillance, 2020
62. Ashford, R.D., **Giorgi, S.**, Mann, B., Pesce, C., Sherritt, L., Ungar, L.H., Curtis, B., *Digital recovery networks: Characterizing user participation, engagement, and outcomes of a novel recovery social network smartphone application*, Journal of Substance Abuse Treatment, 2019
63. Matero, M., Idnani, A., Son, Y., **Giorgi, S.**, Vu, H., Zamani, M., Limbachiya, P., Guntuku, S., and Schwartz, H. A., *Suicide Risk Assessment with Multi-level Dual-Context Language and BERT*, CLPsych, 2019
64. Lynn, V., **Giorgi, S.**, Balasubramanian, N., and Schwartz, H. A., *Tweet Classification without the Tweet: An Empirical Examination of User versus Document Attributes*, NLP+CSS, 2019
65. **Giorgi, S.**, Preotiuc-Pietro, D., Buffone, A., Rieman, D., Ungar, L., and Schwartz H.A., *The Remarkable Benefit of User-Level Aggregation for Lexical-based Population-Level Predictions*, EMNLP, 2018
66. Zamani, M., Schwartz, H.A., Lynn, V., **Giorgi, S.** and Balasubramanian, N., *Residualized Factor Adaptation for Community Social Media Prediction Tasks*, EMNLP, 2018
67. Clifton, J., Baker, J.D., Park, C.L., Yaden, D.B., Clifton, A., Terni, P., Miller, J.L., Zeng, G., **Giorgi, S.**, Schwartz, H.A., Seligman, M.E.P., *Primal World Beliefs*, Psychological Assessment, 2018
68. Guntuku, S.C., **Giorgi, S.**, and Ungar, L., *Current and Future Psychological Health Prediction using Language and Socio-Demographics of Children for the CLPsych 2018 Shared Task*, NAACL, 2018
69. Curtis, B.\*, **Giorgi, S.\***, Buffone, A., Ungar, L., Ashford, R., Hemmons, J., Summers, D., Hamilton, C. and Schwartz, H.A., *Can Twitter Be Used To Predict Excessive Drinking at the County Level?*, PLOS ONE, 2018
70. Schwartz, H.A., **Giorgi, S.**, Sap, M., Crutchley, P., Ungar, L., and Eichstaedt, J., *DLATK: Differential Language Analysis ToolKit*, EMNLP, 2017
71. Almodaresi, F., Ungar, L., Kulkarni, V., Zakeri, M., **Giorgi, S.**, and Schwartz, H.A., *On the Distribution of Lexical Features in Social Media*, ACL, 2017

72. Abdul-Mageed, M., Buffone, A., Peng, H., **Giorgi, S.**, Eichstaedt, J., and Ungar, L., *Recognizing Pathogenic Empathy in Social Media*, ICWSM, 2017
73. Carpenter, J., Preotiuc-Pietro, D., Flekova, L., **Giorgi, S.**, Hagan, C., Kern, M.L., Buffone, A., Ungar, L.H., and Seligman, M.E., *Real men don't say "cute": Using automatic language analysis to isolate inaccurate aspects of stereotypes*. Social Psychological and Personality Science, 2016
74. Smith, L., **Giorgi, S.**, Solanki, R., Eichstaedt, J., Schwartz, H.A., Abdul-Mageed, M., Buffone, A., and Ungar, L., *Does well-being translate on Twitter? A comparative evaluation of English and Spanish well-being lexica*. EMNLP., 2016
75. Preotiuc-Pietro, D., Carpenter, J., **Giorgi, S.**, and Ungar, L., *Studying the Dark Triad of Personality using Twitter Behavior*. CIKM., 2016.
76. Flekova, L., Carpenter, J., **Giorgi, S.**, Ungar, L., and Preotiuc-Pietro, D., *Analysing Biases in Human Perception of User Age and Gender from Text*. ACL., 2016.
77. Flekova, L., Preotiuc-Pietro, D., Carpenter, J., **Giorgi, S.**, and Ungar, L., *Analyzing crowd-sourced assessment of user traits through Twitter posts*, Proceedings of the Third AAAI Conference on Human Computation and Crowdsourcing. HCOMP, 2015.
78. **Giorgi, S.**, Saleheen, F., Ferrese, F., and Won, C.H., *Adaptive Neural Replication and Resilient Control Despite Malicious Attacks*, 5th International Symposium on Resilient Control Systems (ISRCS), 2012.

\* denotes equal contributions, <sup>†</sup> denotes trainee led project.

Note: In the field of AI and Natural Language Processing, peer-reviewed conferences are the most reputable and prestigious venues, having the highest impact factors and lowest acceptance rates.

#### CONFERENCE ABSTRACTS

1. Tay, L., **Giorgi, S.**, Ungar, L., *Estimating Geographic Effects on Well-being in U.S. Social Media Posts*, Society for Personality and Social Psychology (SPSP), 2025
2. Mellinger, J.L., Asefa, H., Bloom, P., Liu, T., **Giorgi, S.**, Curtis, B., *Digital Phenotype Varies by Alcohol Use History and Hepatic Encephalopathy*, American Association for the Study of Liver Diseases (AASLD) The Liver Meeting, 2024
3. Liu, T., **Giorgi, S.**, Aich, A., Lahnala, A., Curtis, B., Ungar, L., and Sedoc, J., *The Illusion of Empathy: How AI Chatbots Shape Conversation Perception*, 34th Workshop on Information Technologies and Systems (WITS), 2024.
4. Liu, T., **Giorgi, S.**, Aich, A., Lahnala, A., Curtis, B., Ungar, L., and Sedoc, J., *The Illusion of Empathy: How AI Chatbots Shape Conversation Perception*, 2nd Workshop on Social Influence in Conversations (SICoN) at EMNLP, 2024.
5. Mellinger, J., Asefa, H., Bloom, P., Liu, T., **Giorgi, S.**, Curtis, B., *Digital phenotypes differ between alcohol and non-alcohol related liver disease with and without hepatic encephalopathy*, The Liver Meeting, 2024.
6. Fried, Z.<sup>†</sup>, **Giorgi, S.**, Earleywine, D., Osseyi, P., and Curtis, B., *Exploring Sexualized Cannabis Use on Reddit: Patterns, Motivations, and Public Health Implications*, 4th Workshop on the Data for the Wellbeing of Most Vulnerable (DWMV) at the International AAAI Conference on Web and Social Media (ICWSM), 2024.
7. Aich, A.<sup>†</sup>, **Giorgi, S.**, Isman, K., Liu, T., Fried, F., Sedoc, J., and Curtis, B., *The State of Modern LLMs for Substance Use Help*, IC2S2, 2024
8. Fried, Z.<sup>†</sup>, **Giorgi, S.**, Earleywine, D., Osseyi, P., and Curtis, B., *Exploring Sexualized Cannabis Use on Reddit: Patterns, Motivations, and Public Health Implications*, IC2S2, 2024

9. Isman, K.<sup>†</sup>, **Giorgi, S.**, and Curtis, B., *Communities at the Crossroads: Exploring Cultural Variations in Opioid Epidemic Outcomes in the United States*, College on Problems of Drug Dependence, 2024
10. Habib, D.<sup>†</sup>, **Giorgi, S.**, Kady, A., Demko, Z., and Curtis, B., *Novel substance use and support themes on Reddit: Lessons for researchers and practitioners*, American Public Health Association, 2023
11. Rai, S., **Giorgi, S.**, Curtis, B., Guntuku, S.C., and Ungar, L., *Studying Racial Heterogeneity in Language Markers of Depression*, IC2S2, 2023
12. Havaldar, S., **Giorgi, S.**, Talhelm, T., Guntuku, S.C., and Ungar, L., *Measuring Regional Variation in Culture Through Embedding-Based Lexica*, IC2S2, 2023
13. Rai, S., **Giorgi, S.**, Curtis, B., Guntuku, S.C., and Ungar, L., *Studying Racial Heterogeneity in Language Markers of Depression*, Computational Psychiatry Conference, 2023
14. Isman, K.<sup>†</sup>, **Giorgi, S.**, Liu, T., Ellis, J., Huhn, A., and Curtis, B., *Perceptions Matter: Stigma, Mental Health, and Drug Treatment Outcomes*, International Conference on Stigma, 2022
15. Habib, D.<sup>†</sup>, **Giorgi, S.**, Bellew, D., and Curtis, B., *Trends in the dehumanization of people who use drugs in American news articles from 1986 to 2020*, American Public Health Association, 2022
16. Turpin, R., **Giorgi, S.**, and Curtis, B., *Segregation, coronavirus racial bias, and relationships with Covid-19 distress*, American Public Health Association, 2022
17. **Giorgi, S.**, Lynn, V., Gupta, K., Ahmed, F., Matz, S., Ungar, L.H., and Schwartz, H.A., *Correcting Sociodemographic Selection Biases for Population Prediction from Social Media*, Regional Cultural Differences Conference, 2022
18. Ungar, L.H., **Giorgi, S.**, Eichstaedt, J.C., Gardner, J., and Schwartz, H.A., *Filling in the White Space: Spatial Interpolation with Gaussian Processes and Social Media Data*, Regional Cultural Differences Conference, 2022
19. Lou, S.<sup>†</sup>, **Giorgi, S.**, Eichstaedt, J., and Curtis, B., *Comparing United States Small Area Composite Vulnerability Indices with Mortality, Health, and Well-Being*, 3rd Workshop on the Data for the Wellbeing of Most Vulnerable (DWMV) at the International AAAI Conference on Web and Social Media (ICWSM), 2022.
20. Himelein-Wachowiak, H.<sup>†</sup>, **Giorgi, S.**, Kwarteng, A., Schriefer, D., Smitterberg, C., Yadeta, K., Bragard, E., and Curtis, B., *Getting “clean” from nonsuicidal self-injury: Addiction language and experiences on the subreddit r/selfharm*, 2nd Workshop on the Data for the Wellbeing of Most Vulnerable (DWMV) at the International AAAI Conference on Web and Social Media (ICWSM), 2021.
21. Abebe, R.<sup>\*</sup>, **Giorgi, S.<sup>\*</sup>**, Tedijanto, A., Buffone, A.E.K., Schwartz, H.A., *Quantifying Community Characteristics of Maternal Mortality Using Social Media*, IC2S2, 2020

<sup>†</sup> denotes trainee led project.

## MENTORING

Mentored 15 trainees; leading to 13 publications, including 5 first-author papers

1. Allie Lahnala (Postdoctoral Fellow)	2024-Present
2. Ankit Aich (Postdoctoral Fellow)	2024-Present
3. Soojin Lee (Masters student)	2024-Present
4. Kelsey Isman (Postbaccalaureate Fellow)	2022-Present
5. Katherine Guerrero (summer intern)	2023-2024
6. Samiatu Yussuf (summer intern)	2023-2024

	7. Zachary Fried (Postbaccalaureate Fellow)	2022-2024
	8. Sophia Lou (Postbaccalaureate Fellow)	2021-2023
	9. Ashley Francisco (summer intern)	2022
	10. Daniel Habib (Postbaccalaureate Fellow)	2021-2022
	11. Farhan Ahmed (Masters student)	2020-2022
	12. Kenna Yadeta (Postbaccalaureate Fellow)	2021-2022
	13. McKenzie Himelein-Wachowiak (Postbaccalaureate Fellow)	2020-2021
	14. Pulkit Dongle (Masters student)	2019
	15. Claire Pajot (Masters student)	2018
PROFESSIONAL SERVICES	<b>Senior Program Committee / Area Chair</b>	
	ACL Rolling Review (ARR)	2025
	International AAAI Conference on Web and Social Media (ICWSM)	2024-2025
	International Conference for Computational Social Science (IC2S2)	2024
	<b>Shared Task / Tutorial Organizer</b>	
	Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis (WASSA; shared task at ACL)	2023-2024
	From Text to Context: Contextualizing Language with Humans, Groups, and Communities for Socially Aware NLP (tutorial at NAACL)	2024
	Challenges and Applications of Automated Extraction of Socio-political Events from Text (CASE; shared task at ACL)	2021
	<b>Editorial Board</b>	
	Drug and Alcohol Dependence Reports	2024
	<b>Program Committee / Reviewing</b>	
	TACL	2025
	ARR, EMNLP, ACL, NAACL, EACL	2020-Present
	The Web Conference	2020-Present
	ICWSM	2021-Present
	Frontiers in Computational Social Psychology	2023-Present
	Workshop on Insights from Negative Results in NLP	2021-Present
	CLPsych workshop	2024
	Conference on Language Modeling (COLM)	2024-Present
	Workshop on Human-Centered Large Language Modeling	2024
	Reclaiming the Narrative: Digital Recovery, AI, and Mitigating Harm in Social Media Workshop	2024
TEACHING	<b>Temple University</b> , Philadelphia, Pennsylvania	
	Senior Design Project II, ENGR 4296	2013
	Intro to Engineering, ENGR 1101	2013
	Microprocessor Systems Laboratory, ECE 3613	2012
	<b>Community Outreach and High School Programs</b>	
	Ayuda Center STEM Program, Temple University	2013-2014
	PACTS Youth Program, Franklin Institute	2013
	Women's Engineering Exploration, Temple University	2012
	EE01 Intro to Robotics, Temple University	2012



## SOFTWARE

1. **Giorgi, S.\***, Sherman, G.\*, Bellew, D., Guntuku, S.C., Ungar, L., Curtis, B. *AWARE-TEXT: An Android Package for Mobile Phone Based Text Collection and On-Device Processing*. NLP-OSS at EMNLP, 2023, [github.com/TTRUCurtis/aware-text](https://github.com/TTRUCurtis/aware-text)
2. Kjell, O., **Giorgi, S.**, Schwartz, H.A., *The Text-Package: An R-Package for Analyzing and Visualizing Human Language Using Natural Language Processing and Transformers*, Psychological Methods, 2023, [r-text.org](https://r-text.org)
3. Schwartz, H.A., **Giorgi, S.**, Sap, M., Crutchley, P., Ungar, L., and Eichstaedt, J., *DLATK: Differential Language Analysis ToolKit*, EMNLP, 2017, [dlatk.github.io](https://dlatk.github.io)

## HONORS AND AWARDS

### Paper and Poster Awards

- Outstanding Paper Award*: GenAIDetect Workshop 2025  
for The Consistent Lack of Variance of Psychological Factors Expressed by LLMs and Spambots
- Best Paper Nomination*: Workshop on Information Technologies and Systems 2024  
for The Illusion of Empathy: How AI Chatbots Shape Conversation Perception
- Paper of the Month*: NIDA IRP
- Key language markers of depression on social media depend on race 2024
- A Linguistic Analysis of Dehumanization toward Substance Use across Three Decades of News Articles 2024
- Nonsuicidal Self-Injury and Substance Use Disorders: A Shared Language of Addiction 2022
- Outstanding Reviewer*: EMNLP 2020
- First Prize*: Poster Contest, Middle Atlantic Section of ASEE 2014  
for Adaptive Neural Replication and Resilient Control Despite Malicious Attacks
- Best Paper*: 5th International Symposium on Resilient Control Systems (ISRCS) 2012  
for Adaptive Neural Replication and Resilient Control Despite Malicious Attacks