Salvatore Giorgi

CONTACT
INFORMATION

sal.giorgi@gmail.com
(267) 312-3734

<www.salvatoregiorgi.com>
<github.com/sjgiorgi>

RESEARCH
INTERESTS

Machine learning applications to substance use, recovery, and harm reduction; measuring relationships between individuals and their communities through language; human-centered metrics for evaluating machine generated text

EDUCATION

University of Pennsylvania, 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

Temple University, Philadelphia, Pennsylvania

Master of Science, Electrical Engineering, 2014
Bachelor of Science, Electrical Engineering, 2012

Community College of Philadelphia, Philadelphia, Pennsylvania

Associate in Science, Engineering, 2009
Associate in Science, Mathematics, 2009

PROFESSIONAL
EXPERIENCE

Computer Systems Analyst, *TTRU*	2020 - Present
Senior Data Scientist, *World Well Being Project, University of Pennsylvania*	2015 - 2020
Software Developer, *Linguistic Data Consortium, University of Pennsylvania*	2014 - 2015
Research Assistant, *CSNAP Laboratory, Temple University*	2011 - 2014

PUBLICATIONS

1. **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

2. Rai, S., Stade, E., **Giorgi, S.**, Francisco, A., Ungar, L.H., Curtis, B., Guntuku, S.C., *Key language markers of depression depend on race.* PNAS, 2023

3. 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, 2023

4. 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, 2023

5. 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, 2023

6. **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

7. **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

8. **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

9. **Giorgi, S.**, Curtis, B., *Leveraging AI to predict substance use disorder treatment outcomes.* Neuropsychopharmacology, 2023

10. 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

11. 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

12. **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

13. 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

14. **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

15. 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

16. 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

17. **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

18. 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

19. 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

20. Turpin, R., **Giorgi, S.**, and Curtis, B., *Pandemic Distress Associated with Segregation and Social Stressors*, Frontiers in Public Health, 2023 in press

21. Habib, D.†, **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 in press

22. 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 in press

23. 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 in press

24. 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

25. Lou, S.*,†, **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

26. 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

27. 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

28. **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

29. **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

30. **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

31. 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

32. 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

33. 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

34. Vu, H., **Giorgi, S.**, Clifton, J., Balasubramanian, H., and Schwartz, H.A., *Modeling Latent Dimensions of Human Beliefs*, ICWSM 2022

35. Himelein-Wachowiak, M.†, **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

36. 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

37. 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

38. Bragard, E., **Giorgi, S.**, Juneau, P., and Curtis, B. L. *Loneliness and Daily Alcohol Consumption During the COVID-19 Pandemic*, Alcohol and Alcoholism 2021

39. 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.

40. **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

41. **Giorgi, S.**, Ungar, L.H., and Schwartz, H.A., *Characterizing Social Spambots by their Human Traits*, ACL Findings 2021

42. **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

43. **Giorgi, S.**, Zavarella, V., Tanev, H., Stefanovitch, N., Hwang, S., Hettiarachchi, H., Ranasinghe, T., Kalyan, V., Tan, P., Tan, P., Andrews, M., Hu, T., Stoehr, 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

44. 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

45. Himelein-Wachowiak, M.[†], **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

46. 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

47. 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

48. 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

49. **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

50. 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

51. 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

52. 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

53. 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

54. 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

55. 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

56. 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

57. **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

58. Zamani, M., Schwartz, H.A., Lynn, V., **Giorgi, S.** and Balasubramanian, N., *Residualized Factor Adaptation for Community Social Media Prediction Tasks*, EMNLP, 2018

59. 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

60. Guntuku, S.C., **Giorgi, S.**, and Ungar, L., *Current and Future Psychological Health Prediction using Language and Socio-Demographics of Children for the CLPysch 2018 Shared Task*, NAACL, 2018

61. 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

62. Schwartz, H.A., **Giorgi, S.**, Sap, M., Crutchley, P., Ungar, L., and Eichstaedt, J., *DLATK: Differential Language Analysis ToolKit*, EMNLP, 2017

63. 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

64. Abdul-Mageed, M., Buffone, A., Peng, H., **Giorgi, S.**, Eichstaedt, J., and Ungar, L., *Recognizing Pathogenic Empathy in Social Media*, ICWSM, 2017

65. 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

66. 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

67. Preotiuc-Pietro, D., Carpenter, J., **Giorgi, S.**, and Ungar, L., *Studying the Dark Triad of Personality using Twitter Behavior.* CIKM., 2016.

68. Flekova, L., Carpenter, J., **Giorgi, S.**, Ungar, L., and Preoiuc-Pietro, D., *Analysing Biases in Human Perception of User Age and Gender from Text.* ACL., 2016.

69. 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.

70. **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, † denotes trainee led project.

ABSTRACTS

1. Isman, K.†, **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

2. Habib, D.†, **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

3. Rai, S., **Giorgi, S.**, Curtis, B., Guntuku, S.C., and Ungar, L., *Studying Racial Heterogeneity in Language Markers of Depression*, IC2S2 2023

4. Havaldar, S., **Giorgi, S.**, Talhelm, T., Guntuku, S.C., and Ungar, L., *Measuring Regional Variation in Culture Through Embedding-Based Lexica*, IC2S2 2023

5. Rai, S., **Giorgi, S.**, Curtis, B., Guntuku, S.C., and Ungar, L., *Studying Racial Heterogeneity in Language Markers of Depression*, Computational Psychiatry Conference, 2023

6. Isman, K.[†], **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

7. Habib, D.[†], **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

8. Turpin, R., **Giorgi, S.**, and Curtis, B., *Segregation, coronavirus racial bias, and relationships with Covid-19 distress*, American Public Health Association, 2022

9. **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

10. 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

11. Lou, S.[†], **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.

12. Himelein-Wachowiak, H.[†], **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.

13. Abebe, R.[*], **Giorgi, S.**[*], Tedijanto, A., Buffone, A.E.K., Schwartz, H.A., *Quantifying Community Characteristics of Maternal Mortality Using Social Media*, IC2S2, 2020

MENTORING	Mentored 10 students; 7 accepted papers	
	1. Kelsey Isman	2022-Present
	2. Zachary Fried	2022-Present
	3. Sophia Lou	2021-2023
	4. Ashley Francisco	2022
	5. Daniel Habib	2021-2022
	6. Farhan Ahmed	2020-2022
	7. Kenna Yadeta	2021-2022
	8. McKenzie Himelein-Wachowiak	2020-2021
	9. Pulkit Dongle	2019
	10. Claire Pajot	2018

HONORS AND AWARDS	**Paper and Poster Awards**	
	Paper of the Month: NIDA IRP	2022
	for Nonsuicidal Self-Injury and Substance Use Disorders: A Shared Language of Addiction	
	Outstanding Reviewer: EMNLP	2020
	First Prize: Poster Contest, Middle Atlantic Section of ASEE	2014
	for Adaptive Neural Replication and Resilient Control Despite Malicious Attacks	

PROFESSIONAL SERVICES

Senior Program Committee

ICWSM   2024

Shared Task Organizer

Workshop on Computational Approaches to Subjectivity, Sentiment   2023-Present
  and Social Media Analysis (WASSA)

Challenges and Applications of Automated Extraction of   2021
  Socio-political Events from Text (CASE)

Program Committee / Reviewing

ARR, EMNLP, ACL, NAACL, EACL   2020-Present
The Web Conference   2020-Present
ICWSM   2021-Present
Workshop on Insights from Negative Results in NLP   2021-Present
IC2S2   2024
CLPsych workshop   2024
Conference on Language Modeling (COLM)   2024
Workshop on Human-Centered Large Language Modeling   2024
Reclaiming the Narrative: Digital Recovery, AI, and Mitigating   2024
  Harm in Social Media Workshop

TEACHING

Temple University, Philadelphia, Pennsylvania

Senior Design Project II, ENGR 4296   2013
Intro to Engineering, ENGR 1101   2013
Microprocessor Systems Laboratory, ECE 3613   2012

Community Outreach and High School Programs

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