Joel Mire

Personal Website | jmire12@gmail.com

Research Interests

natural language processing, computational social science, cultural analytics, human-AI interaction, multimodal machine learning

Education

2025 - Pres **PhD in Language and Information Technology**, Carnegie Mellon University
Advisor: Maarten Sap

2023 - 2025 **M.S. in Language Technologies**, Carnegie Mellon University
Advisor: Maarten Sap

2016 - 2020 **B.S. in Computer Science and English**, Duke University
Advisor: Aarthi Vadde

2018 **Visiting Student**, University of Oxford

Publications

2025 Un-Straightening Generative AI: How Queer Artists Surface and Challenge Model Normativity
ACM Conference on Fairness, Accountability, and Transparency (FAccT)
J Taylor, **J Mire**, F Spektor, A DeVrio, M Sap, H Zhu, S Fox

2025 Rejected Dialects: Biases Against African American Language in Reward Models
Nations of the Americas Chapter of the Association for Computational Linguistics (NAACL) Findings
J Mire, Z Aysola, D Chechelnitsky, N Deas, C Zerva, M Sap

2024 The Empirical Variability of Narrative Perceptions of Social Media Texts
Empirical Methods in Natural Language Processing (EMNLP)
J Mire, M Antoniak, E Ash, A Piper, M Sap

2024 HEART-felt Narratives: Tracing Empathy and Narrative Style in Personal Stories with LLMs
Empirical Methods in Natural Language Processing (EMNLP)
J Shen, **J Mire**, H Park, C Breazeal, M Sap

2024 Where Do People Tell Stories Online? Story Detection Across Online Communities
Association for Computational Linguistics (ACL)
M Antoniak, **J Mire**, M Sap, E Ash, A Piper

2020 The Perspectival Limits of Computation: Researching the Present in Satin Island
Intersect: The Stanford Journal of Science, Technology, and Society
J Mire

Manuscripts Under Review

2025 PluriHarms: Benchmarking the Full Spectrum of Human Harm Judgment
International Conference on Learning Representations (ICLR)
J Li, **J Mire**, V Pyatkin, E Fleisig, M Sap, S Levine

2025 Black LLMirror: User (Self) Perceptions in Black American English Interactions with LLMs
ACM CHI Conference on Human Factors in Computing Systems (CHI)
M Campbell, **J Mire**, M Diaz, M Sap

2025 Beyond Binary Safety: Human Consensus and Disagreement on AI Harm
CogInterp: Interpreting Cognition in Deep Learning Models (NeurIPS Workshop)
J Li, **J Mire**, V Pyatkin, E Fleisig, M Sap, S Levine

2025   Social Story Frames: Contextual Reasoning about Narrative Intent and Reception
       Association for Computational Linguistics (ACL) Rolling Review (ARR)
       J Mire, M Antoniak, S Wilson, Z Ma, A Ganti, A Piper, M Sap

2025   'I Just Don't Want My Work Being Fed Into the AI Blender': Queer Artists on Refusing and Resisting Generative AI
       ACM SIGCHI Conference on Computer-Supported Cooperative Work & Social Computing (CSCW)
       J Taylor, **J Mire**, A DeVrio, M Sap, H Zhu, S Fox

Honors and Awards

2025   Graduate Research Fellowship Program (GRFP) (Honorable Mention), National Science Foundation

2020   magna cum laude, Duke University

2020   Highest Distinction, Duke University English Department

2020   Stanley E. Fish Award for Outstanding Work in British Literature, Duke University English Department

2020   Best Undergraduate Science Studies Senior Thesis (Honorable Mention), Duke University

2017   Rigel Scholar, Duke University Thompson Writing Program

2016 - 2020   Benjamin N. Duke Memorial Scholarship (full merit), Duke University

Teaching Experience

2025   Advanced Natural Language Processing
       Carnegie Mellon University, Language Technologies Institute (TA)

2019   Computer Architecture
       Duke University, Department of Computer Science (TA)

2018   University Preparatory Course
       Bridge Program, Unite Lebanon Youth Project (Co-Teacher)

2017   Introduction to Computer Science
       Duke University, Department of Computer Science (TA)

2017   Plantersville Summer Academy
       The Village Group (Tutor)

Industry Experience

2023   Amazon Web Services
              Software Developer Engineer II, Region Services

2020 - 2023   Amazon Web Services
              Software Developer Engineer I, Region Services

2019   Amazon Web Services
              Software Developer Engineer Intern, Region Services

Committees

2025   Department Representative, Graduate Student Assembly, Carnegie Mellon University

2017 - 2018   Student Representative, Information Technology Advisory Council, Duke University

2016 - 2019   Senator of Academic Affairs, Duke Student Government, Duke University

Reviewing

2024   CHI, *Reviewer*

Mentoring

2025   Medha Hira (CMU LTI MIIS)

2022   Uriel Sejas (AWS Intern)

Press

2025   IBM.com (Rejected Dialects)

2018   Duke Chronicle (Duke Student Government Advising Program)