

CONTACT INFORMATION	<p>(734) 747-0283 mimansa@umich.edu http://www-personal.umich.edu/~mimansa/ Twitter: @MimansaJ LinkedIn: mimansajaiswal</p>	<p>2221 Hubbard Rd Ann Arbor, Michigan 48105</p>
INTERESTS	<p>I am primarily interested in understanding what causes the state-of-the-art machine learning models to fail (<i>Failure Analysis of ML models</i>) or perform differently than expected (<i>Evaluation of ML models</i>), how these failure points can be used by an expert (<i>Model Testing and Debugging</i>) and predictions be explained to a general audience (<i>Model Explanation</i>), how can we train or tune these models such that do not learn about certain variables (<i>Robust and Private ML models</i>), and how these models can benefit from known human knowledge (<i>Expert Informed Machine Learning or Human-in-the-Loop ML</i>).</p>	
EDUCATION	<p>University of Michigan, Ann Arbor, MI Sept 2017 to present Awarded Barbour Fellowship Amongst Over 1k+ Applicants Ph.D. in Computer Science and Engineering Computational Human Analysis and Integration (<i>CHAI</i>) Lab Advisor: Prof. Emily Provost</p> <p>University of Michigan, Ann Arbor, MI Sept 2017 to May 2019 M.S. in Computer Science and Engineering, GPA: 3.87/4.00 Coursework: Natural Language Processing, Advanced Artificial Intelligence, Bayesian Inference</p> <p>Institute of Engineering and Technology, Indore, India July 2013 to May 2017 B.E. in Computer Science Engineering, GPA: 3.7/4.00 Coursework: Information Retrieval, Machine Learning, Algorithm Design and Analysis</p>	
WORKS IN PROGRESS	<p>CAPSTONE: Capability Assessment Protocol for Systematic Testing Of Natural language models Expertise Mimansa Jaiswal, Emily Mower Provost</p> <p>Controlled Evaluation of Explanations: What Might Have Influenced Your Model Explanation Efficacy Evaluation? Mimansa Jaiswal, Minxue Niu, Emily Mower Provost</p> <p>An Interpretation Framework for Explaining Multimodal Models Trained for Computational Paralinguistic Tasks. Mimansa Jaiswal, Emily Mower Provost</p> <p>Designing Interfaces for Delivering and Obtaining Generation Explanation Annotations Demo and Repo Mimansa Jaiswal, Emily Mower Provost</p>	
SUBMITTED PUBLICATIONS	<p>Human-Centered Metric Design to Promote Generalizable and Debiased Emotion Recognition. <i>Accepted</i> at Text as Data (TADA) conference 2021 Mimansa Jaiswal, Emily Mower Provost</p>	
ACCEPTED PUBLICATIONS	<p>Capturing Mismatch between Textual and Acoustic Emotion Expressions for Mood Identification in Bipolar Disorder In <i>Interspeech 2023</i>. Minxue Niu, Amrit Romana, Mimansa Jaiswal, Melvin McInnis, Emily Mower Provost</p> <p>Mind the gap: On the value of silence representations to lexical-based speech emotion recognition In <i>Interspeech 2022</i>. Matthew Perez, Mimansa Jaiswal, Minxue Niu, Cristina Gorrostieta, Matthew Roddy, Kye Taylor, Reza Lotfian, John Kane, Emily Mower Provost</p>	

Noise Based Augmentation of Emotion Datasets: What's ideal and What Isn't?.

Accepted In ACL-SRW 2020

Mimansa Jaiswal, Emily Mower Provost

MuSE: Multimodal Stressed Emotion Dataset.

In Conference on Language Resources and Evaluation (LREC) 2020.

Mimansa Jaiswal*, CP Bara, Yuanhang Luo, Rada Mihalcea, Mihai Burzo, Emily Mower Provost

Privacy Enhanced Multimodal Neural Representations for Emotion Recognition.

In AAAI Conference on Artificial Intelligence (AAAI) 2020.

In Human Centered Machine Learning (HCML), Privacy in Machine Learning (PriML) Workshops in NeuRIPS 2019.

Mimansa Jaiswal, Emily Mower Provost

Controlling for Confounders in Multimodal Emotion Classification via Adversarial Learning.

In International Conference on Multimodal Interaction (ICMI) 2019.

Mimansa Jaiswal, Zakaria Aldeneh, Emily Mower Provost

Identifying Mood Episodes Using Dialogue Features from Clinical Interviews.

In Interspeech 2019.

Zakaria Aldeneh, Mimansa Jaiswal, Michael Picheny, Melvin McInnis, Emily Mower Provost

MuSE-ing on the Impact of Utterance Ordering On Crowdsourced Emotion Annotations.

In IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP) 2019.

Mimansa Jaiswal, Zakaria Aldeneh, Cristian-Paul Bara, Yuanhang Luo, Mihai Burzo, Rada Mihalcea, Emily Mower Provost

The PRIORI Emotion Dataset: Linking Mood to Emotion Detected In-the-Wild.

In Interspeech 2018.

Soheil Khorram, Mimansa Jaiswal, John Gideon, Melvin McInnis, Emily Mower Provost

Hang In There:" Lexical and Visual Analysis to Identify Posts Warranting Empathetic Responses.

In The Florida Artificial Intelligence Research Society Conference (FLAIRS) 2017.

Mimansa Jaiswal, Sairam Tabibu, Erik Cambria

The Truth and Nothing but the Truth: Multimodal Analysis for Deception Detection.

In International Conference on Data Mining Workshops (ICDMW) 2016.

Mimansa Jaiswal, Sairam Tabibu, Rajiv Bajpai

Contextual Text-mining Approach for Teacher Feedback.

In Extended Abstracts, Information Systems Research and Teaching, 2014.

Mimansa Jaiswal, Vinshi Vanvat, Manasi Tiwari

EXPERIENCE

Allen NLP, Allen Institute of AI, Seattle, WA

Sep 2021 to Dec 2021

Benchmarking interpretable and compositional evaluation for very large models in natural language processing

Position: Research Intern

NLP Team, Facebook AI Research (FAIR), Menlo Park, CA

May 2021 to Aug 2021

Identifying, understanding, and correcting failure points in Natural Language Inference (NLI)

Position: Research Intern

Conversation AI, Facebook Research, Menlo Park, CA

May 2020 to Aug 2020

Defining interpretable and generalizable user satisfaction metric informed by human knowledge

Position: Research Intern

CHAI Lab, University of Michigan, Ann Arbor, MI

Sept 2017 to present

Robust and interpretable systems for social signal processing using natural language understanding and speech processing

Position: Graduate Student Research Assistant (GSRA); Advisor: Prof. Emily Mower Provost

Institute of Engineering and Technology, Indore, India

July 2016 to May 2017

Linguistic markers of mental health issues and generating automod reply conditioned on affect
Position: B.E. Thesis Project; Advisor: Prof. G.L Prajapati

SenticNet — Computational Intelligence Lab — NTU, Singapore Apr 2016 to July 2016

Multi-modal deception detection using automated feature set.

Detecting empathetic and non-empathetic responses in comments, and where they are needed.

Position: Undergraduate Research Assistant; Advisor: Prof. Erik Cambria

NLP and Sentiment Analysis Lab — Academia Sinica, Taiwan Dec 2015 to Feb 2016

Emotion Push: Automatically conveying emotion in instant messages and notifications.

GMMs for sentence recommendation system for learning difference in synonyms for ESL learners.

Position: Undergraduate Research Assistant; Advisor: Prof. Lun-Wei Ku

Indraprastha Institute of Information Technology Delhi, Delhi, India May 2015 to July 2015

Finding the optimal conditions under which people are willing to share rides.

Developed an algorithm to optimize route matching for cab-pooling.

Position: Undergraduate Research Assistant; Advisor: Prof. Pravesh Biyani

HONORS AND ACTIVITIES

Reviewing: ICDMW, ICMI, ACHI, CHI, CSCW, *ACL, AAAI (*2019-present*).

Graduate Student Instructor for Affective Computing Course (Winter 2020).

Student Representative in CSE Faculty Hiring Committee (Academic Year 2020-21).

Invited Speaker for PyCon 2016 Singapore [video], PyCon 2016 India [video]

Invited to attend CRA-W Grad Cohort Workshop 2018, 2020 [declined]

National Talent Search Examination Scholarship (Top 0.01% in India)