

DIANNA RADPOUR

dradpour.github.io/

RESEARCH INTERESTS

Natural language processing, computational social science, machine learning

EDUCATION

University of Colorado Boulder 2018 - Present
Combined Ph.D - Information Science & Cognitive Science

State University of New York at Buffalo 2016 - 2018
M.Sc. Computational Linguistics
Master's Project: Unsupervised Attribute Discovery from Large Text Corpora

University of Texas at Austin 2013 - 2016
B.A. Linguistics

TEACHING

BAIM 3220, Introduction to Python Programming Spring 2021 (upcoming)
Instructor, Leeds School of Business at the University of Colorado Boulder

INFO 1201, Computational Reasoning 1 Fall 2019 - Present
Teaching Assistant, Department of Information Science at the University of Colorado Boulder

RESEARCH PROJECTS

Applying Conceptual Mappings for Improved Metaphor Analysis on Social Media
University of Colorado Boulder, Graduate Research Assistant, June 2020-Present

- Development of a schema-based AI system that detects metaphor on social media sites.
- Implementing techniques to understand the conceptual mappings between source and target domains in text data to aid in computational metaphor processing
- PI: Dr. Martha Palmer

Scaling Qualitative Inductive Analysis through Computational Methods
University of Colorado Boulder, Graduate Research Assistant, Oct 2018-July 2019

- Research and development of computational models for discovering salient segments of text through integration of NLP methods guided by domain knowledge and user-feedback
- Implementing techniques spanning from traditional to interactive machine learning for user-centric qualitative data analysis for NSF-funded CyberHuman Systems research
- PI: Dr. Danielle Szafir

Riken Center for Advanced Intelligence Project January - June 2018
Research Intern

- Spent a semester in Tokyo, Japan interning with the Language Information Access Technology team
- Researched and developed computational models for unsupervised learning and automatic suggestion of attribute candidates from unstructured text corpora to be verified in large-scale ontology development
- PI: Dr. Satoshi Sekine

JournyX, Inc. May - August 2011
Research Intern

- Spent a summer interning with a small team developing software for tracking time and expenses for payroll, billing, and projects.
- Research on hundreds of potential customer leads using JigSaw, ZoomInfo, and LinkedIn to identify and filter lead sources for customers already in the companys system using Salesforce and Pardot Marketing Automation
- Researched free PDU websites to advertise companys webinars through project management forums

WORKSHOP PAPERS

Batan, H., **Radpour, D.**, & Paul, M. (2020, February). Natural vs. Artificially Sweet Tweets: Characterizing Discussions of Non-Nutritive Sweeteners in Twitter. 4th International Workshop on Health Intelligence (W3PHIAI-20), New York, NY.

Radpour, D. (2019, November). Operationalized Sentience for a Networked World. Presented at CSCW 2019 Workshop: Good Systems: Ethical AI for CSCW, Austin, TX.

POSTERS

Ashokkumar, V. & **Radpour, D.** (2017, November). Non-Contextual Modeling of Sarcasm using a Neural Network Benchmark, *AAAI Fall Symposium on Natural Communication for Human-Robot Collaboration*, Arlington, VA.

TALKS

Sarcasm and its Symptoms, *Sentiment Analysis Symposium*, June 2017, New York, NY

Using word2vec for Word-Sense Disambiguation, *Amazon Graduate Research Symposium*, January 2017, Seattle, WA

ACADEMIC SERVICE

The 6th Workshop on Noisy User-generated Text (W-NUT 2020 at EMNLP), *Program Committee*
CHI 2020 (ACM Conference on Human Factors in Computing Systems), *Reviewer*

The 5th Workshop on Noisy User-generated Text (W-NUT 2019 at EMNLP), *Program Committee*

RELEVANT COURSES

Core Courses

Computational Corpus Linguistics
Information Visualization
Advanced Machine Learning
Computational Semantics

Other Courses

Syntactic Theory
Introduction to Pattern Recognition
Analyzing Text Data
Neuroanatomy for Communication Sciences

SERVICE

Best Buddies Texas

Peer Buddy

2014 - 2016

UT Austin Chapter

Learning Ally - Support for Dyslexia and Learning Disabilities

Studio Volunteer

2011 - 2013

Austin, Texas