

# DIANNA RADPOUR

dradpour.github.io/ — dianna.radpour@colorado.edu

## RESEARCH INTERESTS

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health informatics, social computing, machine learning

## EDUCATION

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**University of Colorado Boulder** 2018 - 2023 (expected)  
*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 & French*

## TEACHING EXPERIENCE

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**INFO 4602/5602, Information Visualization** Spring 2022  
*Teaching Assistant*, Department of Information Science at the University of Colorado Boulder

**BAIM 3220, Introduction to Python Programming** Spring 2021  
*Lecturer*, 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 EXPERIENCE

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**University of Colorado Boulder, Dept. of Computer Science** June 2020 - Present  
*Research Assistant*

- Recipient of Cognitive Science Research Grant Award
- Design, development, and evaluation of a system for using selectional restrictions in verb sense disambiguation
- 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

**University of Colorado Boulder, Dept. of Information Science** Oct 2018 - July 2019  
*Research Assistant*

- Scaling qualitative inductive analyses through computational methods on interview transcript data
- Research and development of 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

- Member of the Language Information Access Technology team designing and conducting experiments for classifying Wikipedia in a fine-grained hierarchy
- Researched and developed computational models for automatic suggestion of attribute candidates from unstructured text corpora to be verified in large-scale ontology development
- PI: Dr. Satoshi Sekine

**JourneyX, Inc.**

May - August 2011

*Austin, TX, Research Intern*

- Assisted 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

**BOOK CHAPTERS**

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1. Batan, H., **Radpour, D.**, Kehlbacher, A., Klein-Seetharaman, J., Paul, M. J. (2021). Natural vs. Artificially Sweet Tweets: Characterizing Discussions of Non-Nutritive Sweeteners in Twitter. In *Studies in Computational Intelligence*. Explainable AI in Healthcare and Medicine (pp. 153-176). Springer.

**WORKSHOP & SYMPOSIA**

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1. 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.
2. **Radpour, D.** (2019, November). Operationalized Sentience for a Networked World. Presented at CSCW 2019 Workshop: Good Systems: Ethical AI for CSCW, Austin, TX.
3. 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.
4. Sarcasm and its Symptoms, *Sentiment Analysis Symposium*, June 2017, New York, NY
5. Using word2vec for Word-Sense Disambiguation, *Amazon Graduate Research Symposium*, January 2017, Seattle, WA

**ACADEMIC SERVICE**

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EMNLP 2021 (Conference on Empirical Methods in Natural Language Processing), *Program Committee*  
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

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### 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

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### Best Buddies Texas

*Peer Buddy*

2014 - 2016

*UT Austin Chapter*

### Learning Ally - Support for Dyslexia and Learning Disabilities

*Studio Volunteer*

2011 - 2013

*Austin, Texas*