DIANNA RADPOUR

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RESEARCH INTERESTS

natural language processing, computational social science, human-computer interaction

EDUCATION

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

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

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

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

- 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

JournyX, 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

JOURNAL ARTICLES

1. Bheda, V. and **Radpour, D.** (under review). Using deep convolutional networks for gesture recognition in american sign language. *IEEE Transactions on Pattern Analysis and Machine Intelligence.*
2. **Radpour, D.** and Bheda, V. (under review). Conditional generative adversarial networks for emoji synthesis with word embedding manipulation. *Springer: New Generation Computing.*

BOOK CHAPTERS

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

1. **Radpour, D**. (under review). Exploring the Transferability of Semantic Representations: A Case Study of English AMRs for French Idioms. MWE 2021 Workshop: 17th Workshop on Multiword Expressions at ACL-IJCNLP 2021.
2. 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.
3. **Radpour, D**. (2019, November). Operationalized Sentience for a Networked World. Presented at CSCW 2019 Workshop: Good Systems: Ethical AI for CSCW, Austin, TX.
4. 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.
5. Sarcasm and its Symptoms, *Sentiment Analysis Symposium*, June 2017, New York, NY
6. Using word2vec for Word-Sense Disambiguation, *Amazon Graduate Research Symposium*, January 2017, Seattle, WA

ACADEMIC SERVICE

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

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 2014 - 2016
Peer Buddy *UT Austin Chapter*

Learning Ally - Support for Dyslexia and Learning Disabilities 2011 - 2013
Studio Volunteer *Austin, Texas*