ZACHARY P ROSEN
Computational Linguist, M.A., M.A.

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Education

2021
Master of Arts – Language Science
University of California, Irvine
Irvine, CA

2018
Master of Arts – Linguistics
University of Colorado, Boulder
Boulder, CO

2013
Bachelor of Arts in English Language
Carroll College
Helena, MT

Publications

Rosen, Zachary & Dale, Rick. (*under revision*). BERTs of a Feather: Studying Inter- and Intra-group Communication Using Information Theory and Artificially Intelligent Language Models. *Behavior Research Methods.*

Rosen, Zachary. (2022). A BERT's Eye View: A Big Data Framework for Assessing Language Convergence and Accommodation. *Journal of Language and Social Psychology*.

Rosen, Zachary. (2018). Computationally Constructed Concepts: a machine learning approach to metaphor interpretation using usage-based construction grammatical cues. *Proceedings of the NAACL Special Workshop on Figurative Language*.

Rosen, Zachary. (2018). *Disembodied Entities: Linguistic Factors Determining Semantic Role Assignment of Target Domain Referents in Metaphoric Duals*. MA Thesis. University of Colorado, Boulder.

Grants and Awards

Radden Mueller-Ochoa Legacy Award for Excellence in Communications Education (2019)

MA Linguistics Graduate Research Small Grant Awardee (2018)

Peg Taylor Award for Excellence in Communications (2011)

Teaching Experience

2018 - Present
Adjunct Professor
Saddleback Community College (Communication Studies Department) – Mission Viejo, CA
Notes: COMM 1 (Communication Fundamentals), COMM 106 (Collegiate Forensics Team)

2019 - 2021
Teaching Assistant
University of California, Irvine – Irvine, CA

2021 - 2022
Educational Software Developer
Brainstorm STEM LLC – Irvine, CA
Notes: Blockly application for ML curriculum developer, "basics of machine learning" curriculum developer

2019
Machine Learning Curriculum Developer
Digital Media Academy – Irvine, CA
Notes: Machine Learning Curriculum Developer

2018
Machine Learning and Java Programming Instructor
Digital Media Academy – Irvine, CA
Notes: Lead Machine Learning instructor

2017 – 2018
Graduate Student Coordinator
TRiO Student Support Services (University of Colorado, Boulder) – Boulder, CO
Notes: REACH Program curriculum developer

2016 – 2017
Sustainability and Social Innovation Program Teaching Assistant
Sustainability and Social Innovation RAP (University of Colorado, Boulder) – Boulder, CO

2014 – 2016
Peace Corps Volunteer
US Peace Corps –Atacora Region, Benin, West Africa
Notes: TEFL Instructor, TEFL instructor professional development curriculum lead

Other Employment Experience

2022 - 2023
Sr. Data Scientist / Computational Linguist
Wizard Inc – Remote
Notes: User Behavioral Modeling, Socio-Semantic Networks, (Large) Language Model Monitoring and Evaluation development

2021 - 2022
Language Engineer
Amazon – Remote
Notes: Language Data Processing & QA, Intent Modeling with Language Models

2021 - 2022
Data Scientist
Brainstorm STEM LLC – Irvine, CA
Notes: Language Data Processing & QA, Intent Modeling with Language Models

2017 - 2018
Graduate Student Coordinator/ Monitoring and Evaluation Statistical Analyst
TRiO Student Support Services (University of Colorado at Boulder) – Boulder, CO
Notes: Text processing and visualization for program sentiment, Predictive statistical methods for program evaluation

2014 - 2016
Peace Corps Volunteer
United States Peace Corps – Atacora Region, Benin, West Africa
Notes: Local language documentation liaison, android app development for local language documentation

2014 - 2016
Language Consultant
Cognizant Technology Solutions – Helena, MT

2014 - 2016
Communications Coordinator
Montana State AFL-CIO – Helena, MT

Graduate Student Mentoring

2020 - 2021
Graduate Student Mentor
University of California, Irvine – Irvine, CA
PIRE Program mentor, Primary mentor for undergraduate lab aids and statistical trainer CoLa Lab

2020
Graduate Student Peer Mentor
University of California, Irvine – Irvine, CA
Mentor for incoming Graduate Student as part of Peer Graduate Student Mentor Program

Membership in Professional Organizations

Association for Computational Linguistics (2018 - present)

Service to Profession

2022 - 2023
Editorial Board Member
Special Issue on Communication Accommodation Theory, *Language Sciences*