Carlos E. Jimenez

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Research Interests

Representation Learning, Grounded Language Learning, Semantic Parsing, Robustness, Natural Language Interfaces, Responsible AI

Education

Princeton University — Sep 2020 - Present
PhD Computer Science
Advisor: Prof. Karthik Narasimhan

University of Utah — Jan 2017 - May 2020
B.S. Computer Science (GPA: 3.95, Cum Laude)
Minor: Mathematics
Thesis Supervisor: Prof. Ellen Riloff

De Anza College — Sep 2015 - Dec 2017
Economics and Computer Information Systems

Research

CARETS: A Consistency And Robustness Evaluative Test Suite for VQA
Carlos E. Jimenez, Olga Russakovsky, and Karthik Narasimhan; ACL (2022)

DataMUX: Data Multiplexing for Neural Networks
Vishvak Murahari, Carlos E. Jimenez, Runzhe Yang, and Karthik Narasimhan; ArXiv preprint. (2022)

Learning Physical Commonsense Knowledge
Carlos E. Jimenez; University of Utah Technical Report UUCS 20-005. (2020)

Experience

Data Science Intern — May 2020 - Sep 2020
Kytheran Labs
Salt Lake City, UT

Teaching Assistant — Aug 2019 - Dec 2020
School of Computing, University of Utah
General assistant for CS 3100 Models of Computation
Taught by Prof. Ganesh Gopalakrishnan

Undergraduate Researcher   Jan 2019 - Aug 2019
School of Computing, University of Utah
Methods and Analysis in Numerical Data Computing
Advised by Prof. Ganesh Gopalakrishnan

Languages and Software

Python, Numpy, JAX, FLAX, PyTorch, Tensorflow, Plotly, C/C++, SQL, Unix/Linux, Git, C#, Racket, LaTeX, Scikit-Learn, Google Cloud Platform, Amazon Web Services, Amazon Mechanical Turk