

Rebecca Faust

2nd year PhD Student
Department of Computer Science
University of Arizona

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Research Interests

Data Visualization, Exploratory Data Analysis

Education

PhD in Computer Science Aug. 2016 -Present
University of Arizona Tucson, AZ
Advisor: Carlos Scheidegger

Bachelor of Science in Computer Science Aug. 2012- May 2016
Bachelor of Arts in Mathematics Aug. 2012- May 2016
University of Montana Missoula, MT
GPA: 3.94, High Honors

Research Projects

DimReader Sep. 2016 - Present

- Using Auto-Differentiation to Explain Non-Linear Projections (arXiv:1710.00992)

Work Experience

Department of Computer Science, The University of Arizona Tucson, AZ
Research Assistant August 2016 - Present

- Explaining non-linear dimensionality reductions through the small perturbations of data

Agile Data Solutions Missoula, MT
Software Testing and Development May 2014-Dec. 2015

- Testing and front end development of the content categorization software developed by Agile Data Solutions

Honors and Awards

University of Arizona Graduate Fellowship August 2016
Mortar Board Outstanding Senior Award in Computer Science May 2016
Mortar Board Outstanding Senior Award in Mathematics May 2016
Montana University System Scholarship - full tuition waiver 2012-2016
University of Montana Honors Scholarship 2012-2016

Computer Skills

Programming Languages: Python, Javascript, HTML, C/C++, SQL, C#, R

Libraries and Tools: Numpy, Scikit learn, D3