



EDUCATION

[REDACTED] *Expected: May 2019*
Junior Undergraduate *Technical GPA: 3.9*
Bachelors of Computer Science

SKILLS

Software Python, C, Java, Git, Latex, Rails, Scheme, Unix
Coursework ML, Algorithms, AI, Operating Systems, Probability/Stochastic Processes
Discrete Math, Data Structures, Computer Architecture, Databases

EXPERIENCE

JP Morgan Summer 2018
Software Engineering Intern

[REDACTED] Lab Fall 2017 - Present
Research Intern

- Working on machine learning algorithms for Human-Robot Interaction

[REDACTED] Lab Fall 2016 - Summer 2017
Undergraduate Research

- Worked under Grad student [REDACTED] developing AtomMap, a 3D space representation
- Implemented 2d diffusion-based exploration algorithms in python
- Developed a visualization for benchmarking exploration algorithms in 2d and 3d.

Course Assistant Spring 2017 - Present
Discrete Math and Probability Theory

- Led monthly supplemental sections for exam preparation
- Assisted at weekly instructor-led office hours
- Created worksheets and homework/exam problems, answered student questions on on-line forum
- Teaching a small group of students as part of a mentoring program

PROJECTS

FakeRank (Graph Community Detection)

- Used PageRank and PersonalizedPageRank to find communities in a graph of news articles
- The application accepts a search term or article and outputs the main subtopics
- Combines PersonalizedPageRank and Keyword Extraction to find clusters within the graph

Editor

- Created text editor from scratch in Java (used JavaFX without any built-in text objects)
- Implemented open/save, word-wrap, window re-sizing, scrolling, changing font size, text-selection, and copy-paste
- Designed underlying data structures to facilitate constant time interactions with the text