

EDUCATION

UNIVERSITY OF ROCHESTER, *Rochester, NY*

Bachelors of Science in Computer Science; Bachelors of Art in English

GPA 3.86; Dean's List 8/8 Semesters

AUG 2013 - MAY 2017

WORK EXPERIENCE

SOFTWARE DEVELOPER (BLOOMBERG INDICES), *Bloomberg LP*

JUN 2018 - CURRENT

- Helped design, optimize, and improve the Bloomberg Indices API layer for custom index membership calculation.
- Assisted in the design and implementation of an LRU cache for calculation results.
- Debugged and resolved client-reported bugs in our UI and calculation pipeline.
- C++, Comdb2, Javascript.

SOFTWARE DEVELOPER (DEVELOPER EXPERIENCE), *Bloomberg LP*

MAY 2017 - JUN 2018

- Designer and developer of DEVISE, a continuous integration/continuous deployment platform.
- Lowered the barrier to entry for testing and deployment.
- Established development practice standards across the company.
- Platform featured a Java backend, AngularJS frontend, and a system of Kafka streams for communication between third party tools.
- Java, Node, Postgres, Kafka.

SOFTWARE DEVELOPMENT INTERN, *FactSet Research Systems*

MAY 2016 - AUG 2016

- Designed, implemented and tested the full stack of a graphical cache management webapp for Portfolio Analysis.
- Angular, Node, C++.

WORKSHOP LEADER/TEACHING ASSISTANT, *University of Rochester*

AUG 2014 - MAY 2017

- Led workshops and graded assignments, quizzes, and tests for 5 different classes, 8 positions total:
Introduction to Java, Introduction to Data Structures, Computational and Formal Systems, Honors Research Seminar, and Artificial Intelligence
- As head TA for the introductory computer science series, oversaw the functions of all 18 workshop leaders
- Planned and directed test review, student testing, and quiz/test grading sessions

PROJECTS

N-QUEENS SOLVER, *Scheme*

2014

Developed a program that solves the n-queens problem using three different algorithmic approaches, including Hill-Climbing, Backtracking, and Minimum Remaining Value algorithmic approaches

PEBBLE DEVELOPMENT, *Pebble Smartwatch, C*

2015

Created free and open source Pebble smartwatch applications using the C programming language, from a rudimentary text file viewer to a timer/instruction manual for Aeropress and Clever coffee brewers

PAC-MANAGER, *AngularJS, Javascript, C++*

2016

Designed the full-stack of a web interface using Couchbase, C++, and Javascript for client portfolio analysis data

SKILLS & INTERESTS

Languages: Java (proficient), C++ (proficient), Python, Javascript, SQL

Activities/Interests: Hackathons, Teaching, Coffee, Sailing, Running, Recruitment, Interviewing