

EDUCATION

UNIVERSITY OF ROCHESTER, *Rochester, NY*

AUG 2013 - MAY 2017

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

GPA 3.86; Dean's List 8/8 Semesters

WORK EXPERIENCE

SOFTWARE DEVELOPER (BLOOMBERG INDICES), *Bloomberg LP*

JUN 2018 - CURRENT

C++, Comdb2, Python, Javascript.

- Helped design, optimize, and improve the Bloomberg Indices API layer for custom index value calculations.
- Design and implemented an LRU cache and cache invalidation system for calculation results.
- Debugged, triaged, and resolved client-reported bugs in the UI and calculation pipeline.

SOFTWARE DEVELOPER (DEVELOPER EXPERIENCE), *Bloomberg LP*

MAY 2017 - JUN 2018

Java, Node, Postgres, Kafka.

- Designer and developer of central platform for a continuous integration/continuous modernization effort.
- Recommended best practices / code templates for various common project types across the company.

SOFTWARE DEVELOPMENT INTERN, *FactSet Research Systems*

MAY 2016 - AUG 2016

Angular, Node, C++.

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

WORKSHOP LEADER/TEACHING ASSISTANT, *University of Rochester*

AUG 2014 - MAY 2017

- Led workshops and graded assignments, quizzes, and tests for 5 different classes, 8 semesters 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

HULK, C++, *Bloomberg Message Queue, SQL*

2019

Persistent data store governor sitting in front of a memory/cpu intensive calculation engine. Controlled:

- Calculation of new index values each day without interfering with interactive user traffic.
- Minimal re-calculation of index values as underlying data was cleaned and introduced.
- Quickly removed outdated stored index values without resorting to large update/delete SQL operations.

DEVISE, Javascript, Java, PostgreSQL

2018

Engineering department-wide CI/CD Platform featuring a Java backend, AngularJS frontend, and a collection of Kafka streams for aggregating events between third party tools. REDO WITH HULK

- Aggregated events from JIRA, GitHub Enterprise, an internal bug/feature tracker, Jenkins, and SonarQube.
- Automated Jenkins onboarding, webhook installation, releases, and deployments.

SMARTWATCH COFFEE INSTRUCTOR, *Pebble Smartwatch, C*

2015

Created free and open source Pebble smartwatch applications using the C programming language, culminating in an interactive instruction manual for various recipes for the Aeropress and Clever coffee brewers.

SKILLS & INTERESTS

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

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