

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

SENIOR SOFTWARE ENGINEER (EDUCATION), *MongoDB*

JUL 2019 - CURRENT

Kotlin, Python, Java, Javascript, rST.

- Wrote developer-focused tutorials and documentation for MongoDB Server, MongoDB Realm, MongoDB Stitch, and the MongoDB family of drivers
- Responsible for all MongoDB Realm Java and Kotlin SDK documentation, tutorials, and sample applications.
- Developed and implemented a markup syntax and parser that enabled the team to unit and integration test code samples and tutorials.

SOFTWARE DEVELOPER (BLOOMBERG INDICES), *Bloomberg LP*

JUN 2018 - JUL 2019

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.

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
- 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.
- Quickly removed outdated stored index values with minimal production impact.

DEVISE, *Javascript, Java, Kafka, PostgreSQL*

2018

Engineering department-wide CI/CD Platform.

- 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 Pebble smartwatch application containing interactive recipes for the Aeropress coffee brewer.

SKILLS & INTERESTS

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

Activities/Interests: Recruitment, Campus Outreach, Teaching, Coffee, Craft Beer, Running, Biking, Hiking