

Samuel Siegart

Education

University at Buffalo, Class of 2017: B.S. in Computer Science & B.A. in Mathematics

GPA: 3.929/4.0

Work Experience

Shopify: Data Engineering (Summer 2016)

- Developed and maintained an existing petabyte-scale data platform built on Apache Spark
- Owned a major part of the internal rollout of PrestoDB by upgrading data pipelines to integrate data from hundreds of Spark jobs for availability in the new query engine
- Prototyped an internal Rails app that allows the exploration of real-time trending product types across 300,000+ ecommerce websites with an intuitive graph interface

Shopify: Software Engineering (Summer 2015)

- Wrote test-driven Ruby on Rails, JavaScript, and did regular code reviews in a fast-moving team of engineers and designers implementing core features used by 300,000+ Shopify merchants
- Brought to launch the bulk editor, an admin tool for quickly and simultaneously editing multiple products, variants, and other store features-- used 10,000+ times daily by merchants since launch
- Helped plan and rapidly prototype new internal communication features for Shopify merchants, conducted early user testing and iteration

University at Buffalo: CSE 250 Data Structures TA (Spring & Fall 2015, Spring & Fall 2016—4 Semesters Total)

- Taught fundamental C++ and data structures concepts to weekly classes of 20+ students to supplement lecture materials
- Participated in the planning and implementation of coding assignments and developed automatic grading programs to evaluate student submissions
- Held regular office hours to help students one-on-one with course material and assignments

Software Projects (more available on github.com/samsiegart)

Hackroulette: *hackroulette.xyz* (HackPrinceton, Spring 2015)

- Developed an intelligent chat application that uses machine learning libraries to analyze the Twitter feeds of users and pair them together based on similar interests to start interesting conversations
- Integrated multiple APIs and user authentication, implemented real-time chat across multiple chat rooms with Socket.io and Node.js, and helped craft an elegant front end experience
- Finalist out of 60+ submissions

WeBridge: *webridge.herokuapp.com* (Fall 2014 – Early 2015)

- Developed an in-lecture Q&A system so students can anonymously ask and answer each other's questions without interrupting the flow of class, as well as to provide useful analytics to Professors
- Deployed for early stage testing during Winter 2014 in 3 separate college courses
- Ruby on Rails, AngularJS, HTML5 Hybrid App Development with Ionic Framework

Skill Summary

Languages: Python, C++, C, Ruby, Java, Javascript, HTML, CSS, SQL

Favorite Tools and Technologies: Ruby on Rails, Flask, Node.js Express, React, Heroku, Vim

Familiar: ES6, SASS, Ionic, Spark, Hadoop, Dimensional Modeling, ETL, Git, OpenCV, OpenGL, SciPy, Three.js, D3.js, MongoDB, Firebase, Hive, Presto, MySQL, Angular