

Samuel Siegart

Education

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

GPA: 3.9/4.0

Work Experience

Amazon Lab126: Software Development Engineer I (Cupertino CA, July 2017 - Present)

- Spearheaded first prototype for, then quickly brought to launch the web app for Amazon Cloud Cam, implemented core features such as WebRTC live streaming and clip playback
- Worked on first and several iterations of Cloud Cam's iOS app, wrote features including geofencing, clip management, and customer feedback to improve CV algorithms
- Managed cross-team collaborations with Product/UX, Amazon Drive, Identity Services, CV, QA, and more

Shopify: Data Engineering Intern (Ottawa ON, Summer 2016)

- Extended data pipelines to transform petabytes of data from hundreds of Spark jobs in HDFS for availability in PrestoDB, improving BI query performance across billions of rows
- Prototyped an internal Rails app for exploration of real-time trending product types across 300k+ ecommerce websites with an intuitive graph interface

Shopify: Software Development Intern (Ottawa ON, 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 300k+ merchants
- Brought to launch the bulk editor, an admin tool for quickly and simultaneously editing multiple products, variants, and other store features-- used 10k+ times daily since launch
- Helped plan and rapidly prototype internal communication features for merchants, conducted early user testing and iteration

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

- Taught fundamental C++ and data structures concepts to weekly classes of 20+ students
- Helped plan and implement coding assignments, developed automatic programs to evaluate submissions
- Held regular office hours to help students one-on-one with course material and assignments

Software Projects (more on github.com/samsiegart)

Hackroulette: *devpost.com/software/hackroulette* (Finalist - 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

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 college courses
- Ruby on Rails, Angular, Ionic Framework

Skill Summary

Languages: Python, Swift, C++, C, Ruby, Java, JavaScript, HTML, CSS, SQL

Favorite Tools and Technologies: iOS, Ruby on Rails, Flask, Node.js, React, Vim, AWS, WebRTC