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Samuel Siegart

Work Experience

Amazon Lab126: Software Development Engineer (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 in HDFS from hundreds of Spark jobs 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
– Prototyped new merchant communication features, 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)

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

Hackroulette: *devpost.com/software/hackroulette* (Finalist - HackPrinceton, Spring 2015)
– Developed a chat app that uses Twitter and a machine learning API to pair users with similar interests
– Integrated Oauth with Twitter API, implemented real-time chat rooms with Socket.io and Node.js

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

Education

University at Buffalo, Class of 2017: B.S. Computer Science & B.A. Mathematics   **GPA: 3.9/4.0**