samsiegart.com
linkedin.com/in/samsiegart
github.com/samsiegart

srsiegar@buffalo.edu
603-819-9920

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)
– Maintained and improved an existing petabyte-scale data platform built with 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: Computer Science 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 multiple courses
– Ruby on Rails, AngularJS, HTML5 Hybrid App Development with Ionic Framework

Skill Summary

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

Frameworks and Technologies: Rails, Flask, Node.js, MySQL, Angular, React Native, ES6, SASS, Ionic, Spark, Hadoop, ETL Data Warehousing, Heroku, Git, OpenCV, SciPy, Three.js, D3.js, MongoDB, Firebase, Hive, Presto