Sam Burdick

Website | GitHub
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Objective

- Pursuing a challenging software engineering internship where strong programming skills will be of service.

Work Experience

Teaching Assistant for Introduction to Computer Science
University of Puget Sound. September 2016 - present

- Answering student questions in weekly lab sessions, grading Java assignments, and helping solve programming problems in walk-in tutoring hours
- Developing communication skills by interacting with students and coordinating with the instructor to ensure students' success in and satisfaction with the course

Independent Contractor for Coffee Production Application and Company Website
Candace Software, Lynnwood, WA. June 2016 - present

- Co-developed an application that generates and displays data reports pertinent to coffee producers using Visual C# and MySQL
- Collaborated on software solutions with team members in Lynnwood and Addis Ababa for this coffee production technology startup
- Creating company webpage to help recruit new talent for the startup

Team Collaborator on "Schedule Master" web application
University of Puget Sound, Software Engineering course group project. February-May 2016

- Created a MEAN.js application that helps students find their classes on campus
- Designed and implemented the course information database and the user class selection interface
- Gained leadership experience by providing UI design oversight and task prioritization

Developer of Coffee Production Interface and Data Collection Application
June 2015

- Completed a Java application that collects data via temperature sensors and a Raspberry Pi and displays data with a graphical user interface

Education

- University of Puget Sound, Computer Science and Mathematics double major, 3.65 cumulative GPA, expecting to graduate May 2018. Upper division coursework includes:
  - **Operating Systems:** implemented a priority scheduling queue for the XINU operating system in C
  - **Computer Graphics:** built a ray tracer with depth of field and antialiasing features using the THREE.js library
  - **Abstract Algebra:** solved group theory problems using the SAGE Python library
- Created an action-RPG game in C++ with 3 other students at the Summer 2013 DigiPen Pre-College Program in Game Programming

Technology Summary

- **Proficient in** Java, C, JavaScript
- **Working understanding of** Python, C++, C#, Prolog, MySQL, HTML, CSS, LaTeX
- **Experienced using** Bash, Git, Angular, Node, MongoDB