Sam Burdick

Website | GitHub
smburdick@pugetsound.edu

Summary

Upcoming graduate in Computer Science pursuing a strong mathematical foundation and practical development experience. My contributions to solving programming problems with teams and individuals make me a highly qualified software developer candidate.

Work Experience

AUTOMATA Environment app development
Dec. 2016 - present

- Implementing editing features to enhance the user experience of Tony Mullen's hands-on automaton theory learning MEAN.js app

Online Ray Tracer
Computer Graphics final project. Dec. 2016

- Created a ray tracer using THREE.js and implemented depth of field, soft shadows, and antialiasing features, aided by my linear algebra experience

Intro to Computer Science Teaching Assistant
University of Puget Sound. Sept. 2016 - present

- I answer student questions in weekly lab sessions, grade Java assignments, and help solve programming problems in walk-in tutoring hours

- Developed communication skills from interacting with students and coordinating with the instructor to ensure students' success in and satisfaction with the course

Independent Contractor for Coffee Production Application
Candace Research, Lynnwood, WA. Jun. 2016

- Generates and displays data reports pertinent to coffee producers using Visual C# and MySQL

- Obtained software solutions with team members in Lynnwood and Addis Ababa for an importer and distributor of Ethiopian coffee

"Schedule Master" web app development
Software Engineering course group project. May 2016

- Created a MEAN.js app that helps students find their classes on campus

- Designed and implemented the course info database and the user class selection interface

- Gained leadership experience by providing UI design oversight and task prioritization when we weren't making deadlines

Education & Technology

- University of Puget Sound, Computer Science and Mathematics double major, 3.65 cum. GPA

- Proficient in Java, C#, MySQL, JavaScript, HTML, CSS, Angular, Node