

# Sam Burdick

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## Summary

Upcoming graduate in Computer Science pursuing a strong mathematical foundation and practical development experience. My contributions to solving programming problems of 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 learning experience of Tony Mullen's hands-on machine theory instruction MEAN.js app

### Online **Ray Tracer**

*Computer Graphics final project. Dec. 2016*

- + Wrote a browser ray tracer from scratch 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 questions in weekly lab sessions, grade Java assignments, and provide walk-in tutoring services
- + 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-present*

- + 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*

- + My team 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 by providing UI design oversight and task prioritization when we weren't making deadlines

## Education

### **University of Puget Sound, Class of 2018**

- + Pursuing Computer Science and Mathematics double major. 3.67 GPA, Dean's List