

# Sam Burdick

[Website](#) | [GitHub](#)  
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## Education

- University of Puget Sound, Computer Science and Mathematics double major, 3.7 cumulative GPA, expecting to graduate May 2018. Upper division coursework includes:
  - **Principles of Database Systems:** created an online 3D modeling service in PHP and JavaScript
  - **Operating Systems:** implemented priority scheduling, deadlock detection 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
- Upsilon Pi Epsilon Computer Science Honor Society member
- Puget Sound ACM Chapter Vice President (2017-2018) and Computer Science topic presenter
- Created an action-RPG game in C++ with 3 other students at the Summer 2013 DigiPen Pre-College Program in Game Programming

## Software Development Experience

### **Internship in Software Development Engineering**

*Amazon.com, May-August 2017*

- Worked with 5 other software engineers on third party seller pricing tools in Java
- Pushed code to master branches of a platform-in-development and a legacy codebase
- Wrote documentation on all project parts for the company wiki

### **Independent Contractor for Coffee Production Application and Company Website**

*Candace Software, Lynnwood, WA. June-December 2016*

- 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
- Created 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

## Other 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

## Technology Summary

- **Proficient in** Java, C, JavaScript, Python
- **Working understanding of** PHP, SQLite3, Haskell, C++ , C#, Prolog, MySQL, HTML, CSS, ~~TeX~~
- **Experienced using** Bash, Git, Angular, Node, MongoDB, Bootstrap