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EDUCATION

M.S Computer Science

University of Washington - Seattle, WA
Expected Graduation: June 2024
GPA: 3.91

B.S. Computer Science

University of Washington - Seattle, WA
Graduated: June 2023
GPA: 3.96

WORK EXPERIENCE

Software Engineering Intern | Amazon Web Services | June 2023 - September 2023

- Worked alongside AWS's Edge Automation team, completing a guided project over the course of three months.
- Created and integrated a python library responsible for converting hardware component testing schedules from a legacy graph format into one compatible with a new cloud automated testing service.
- Gained experience with a variety of native AWS services (i.e. S3, ECS, Lambda) and increased the number of executable workflows within the application by approximately 200 (-600% increase)

Software Engineering Intern | Amazon Web Services | June 2022 - September 2022

- Created and integrated a python library to automate ticket-cutting processes, for two services: SIM and JIRA.
- Use helped reduce the manual overhead of reporting when specific hardware components failed testing workflows.

TA Coordinator | University of Washington | December 2021 - March 2023

- Worked alongside another teaching assistant to handle various administrative tasks for the Allen School's introductory series' TA program.
- Organized and conducted a quarterly, 200+ person hiring cycle culminating in 20-minute interviews with applicants.
- Also responsible for training new TAs, organizing community-building events, running weekly meetings with course instructors, and updating materials for the course's recent major restructure.

Introductory TA | University of Washington | January 2020 - Present

- Introduction to Java materials covering "Hello World" to basic data structures.
- Teaches small groups of 20-25 students while grading and providing 1-on-1 help with programming assignments
- Currently working an average of 16-19 hours a week.

Web Application Developer | University of Washington | June 2020 - August 2020

- Worked with a team of other Introductory TAs to develop a variety of interactive web applications for the computer science intro series' assignments.
- Google's AMP framework, HTML, CSS, and JavaScript were used to develop the display while a Sun HTTP server used classes created by students to communicate with the frontend.
- Co-authored a presentation proposal and helped lead a presentation at SIGCSE demonstrating the ease of development while recommending other instructors make similar changes to their courses:
<https://arxiv.org/abs/2010.04671>

PERSONAL PROJECTS

Discord Bot | January 2023 - Present

- Created a discord bot that helps with various logistical TA duties including creating organized threads for grading clarifications and checking that TA grading feedback is properly formatted according to a template.
- The bot is currently used by all 3 of the introductory CS courses
- Published a GitHub repository which can be found at the following link: <https://github.com/jspaniac/BackreadingBot>

VOLUNTEER & LEADERSHIP

Co-Chair | Q++ | June 2020 - June 2022

- Headed a student organization that promotes community among queer students in UW's CS department.
- Responsibilities included: assigning officers' weekly duties, attending school wide chair meetings, and organizing 3 social events a quarter.