

Rebecca A. Rothschild

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LinkedIn

EDUCATION

WASHINGTON STATE UNIVERSITY

B.S. Full-Time Program, Software Engineering, 3.59 GPA

Everett, WA
December 2020

- Leadership: Secretary of the ACM and former Secretary of the Society of Women Engineers
- Planning the University's first hackathon with fellow ACM officers

EVERETT COMMUNITY COLLEGE

A.A. Full-Time Running Start, 3.75 CS Dept GPA

Everett, WA
June 2018

- Honors: President's Recognition for Academic Achievement
- Completed degree while in high school through Running Start Program

EXPERIENCE

EVERETT COMMUNITY COLLEGE

Computer Science Tutor

Everett, WA
September 2018 - Current

- Worked in the classroom with roughly 25 students taking basic C++ courses to help them comprehend key Computer Science concepts. Student drop rate has decreased since the introduction of student tutors.
- Aided students in debugging their program and encouraged them to troubleshoot bugs by reviewing the control flow and logic of their programs.

SOFTWARE PROJECTS

Personal Website: <https://rebeccachild74.github.io/Portfolio/> (for additional information and projects)

Traffic Monitoring System Capstone

- Designing a website traffic monitoring system that notifies dev teams when traffic is abnormal.
- Following Software Engineering processes such as requirements gathering and modeling the design.
- Building a Machine Learning Model that updates real-time using Jupyter Notebook and SageMaker.
- Collaborating with 5 teammates and one project mentor using Scrum techniques to manage workload while acting as the project liaison and creating meeting agendas to ensure the team is on task and meets all deadlines.

Yelp Desktop Application

- Designed and implemented a PostgreSQL relational database that successfully maintains over 3 million yelp data entries from the 2013 "Yelp Dataset Challenge." Hosted database on Microsoft Azure Cloud Services.
- Curated a responsive UI with 2 different user portals for business admins and users for their separate use cases.

Custom Checkstyle Checks

- Collaborated with a team to write custom structural metric checks for the Checkstyle Eclipse IDE plugin.
- Tested checks with full test coverage to gain confidence in the accuracy of new checks.

Spreadsheet Application

- Programmed a desktop Winform application that contains much of the same features as Excel using multiple design patterns. Highlight capabilities include undoing/ redoing actions and saving/ loading spreadsheets.
- Iteratively added functionality to application to meet all the project requirements by the deadline.
- Adhered to a style guide containing over 500 rules to create consistent and readable code.

SKILLS

- Languages (proficient): C#, SQL, C++, HTML, CSS (familiar): Java, JavaScript, Python, MIPS assembly
- Tools: AWS (EC2, S3, CICD tools) Machine Learning regression, Linux, Checkstyle, Git, NUnit, JUnit, Mockito

ADDITIONAL

- WSU School of Electrical Engineering and Computer Science Grace Hopper Celebration Scholarship Recipient
- Working towards AWS Certified Developer Associate Certification
- Project Management Professional Training