Robert G Schmitz III

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EDUCATION

Bachelor of Science, Computer Science and Systems   Jan 2019 – Dec 2020

University of Washington, Tacoma, WA

- Upsilon Pi Epsilon Honor Society, cum laude, **GPA:** 3.86

Certificate, IT-LAMP Open-Source Development   May 2015 – May 2016

Madison Area Technical College, Madison, WI

- Phi Theta Kappa Honor Society, **GPA:** 4.0

Associate in Applied Science, Electrical Engineering Technology   May 2003 – May 2006

Madison Area Technical College, Madison, WI

EXPERIENCE

Software Engineering Intern   Oct 2020 – Present

BioDepot LLC, Seattle, WA

- Developing and testing bio-informatics software workflows utilizing Docker containers and Bash shell scripts to analyze big data from federally funded databases.
- Developing Python/Flask web application for rapid configuration and deployment of AWS EC2 instances.
- Performing empirical benchmark experiments on AWS EC2 instances.

Tutor   Sept 2018 – Present

Tacoma Community College, Tacoma, WA

- Providing drop-in tutoring for algebra, trigonometry, calculus, differential equations, linear algebra, and computer science.

Hardware Test Engineer   Dec 2010 – Feb 2017

Electronics Technician   Oct 2006 – Dec 2010

Extreme Engineering Solutions Inc, Verona, WI

- Developed in-house test framework utilizing Linux/Unix, Bash shell scripts, and terminal macros.
- Primary trainer on test procedure software and documentation development.
- Created and revised a total of 587 acceptance test procedures.
- Electronic debug and repair at the component level utilizing microscopes, oscilloscopes, and digital multimeters.
- Programmed, tested, and troubleshooted single circuit board computers and systems.

PROJECTS

Mobile CS Quizzer: Android application designed to deliver computer science quizzes developed with Android Studio using Java. Utilized Heroku cloud platform to host PostgreSQL database with a NodeJS API.

Animated Gears: Created an animation of a camera panning over turning gears with JavaScript using WebGL.

Tutor Question Repository: A simple graphic user interface for a question repository modeling/demonstrating relational database management system best practices. Developed with Visual Studio using C# and Azure SQL Database.

Equipment Tracker: Company internal equipment checkout and location tool. Developed on AWS EC2 using PHP, MySQL, AJAX and Bootstrap.