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   (anticipated graduation)

- Upsilon Pi Epsilon Honor Society, Mathematics Club, **GPA:** 3.84
- **Relevant Coursework:** Data Structures, Algorithms, Database System Design, Computer Graphics, Mobile Application Programming

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

SKILLS

Languages: Java, Bash, PHP, HTML, SQL, C#, JavaScript

Technologies: Linux, Git, SVN, AWS EC2, Heroku, Android Studio

PROJECTS

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

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

Tutor Question Repository: A question repository with a simple filtering scheme. Developed with Windows Forms (C#) and Azure SQL Database.

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

EXPERIENCE

Seminar Facilitator   Sept 2019 – Present

University of Washington, Tacoma, WA

- Facilitating discussion and presentations of course related materials for up to 19 students
- Preparing worksheets for design and analysis of algorithms, discrete mathematics, and object-oriented programming seminars

Math Tutor   Sept 2018 – Dec 2019

Tacoma Community College, Tacoma, WA

- Provided tutoring for algebra, trigonometry, calculus, differential equations, and linear algebra
- Level 1 International Tutor Training Program Certification

Hardware Test Engineer   Dec 2010 – Feb 2017

Extreme Engineering Solutions Inc, Middleton, WI

- Developed in-house test framework utilizing Linux, shell scripts, and terminal macros
- Created and revised a total of 587 acceptance test procedures
- Primary trainer on test procedure software and documentation development
- Team lead experience managing group of two to three

Electronics Technician   Oct 2006 – Dec 2010
Extreme Engineering Solutions Inc, Middleton, WI

- Electronic debug and repair at the component level utilizing microscopes, oscilloscopes, and digital multimeters
- Hand built electronic assemblies to IPC J-STD-001 specifications
- Programmed, tested, and troubleshooted single circuit board computers and systems
- Stress tested electronic assemblies using environmental test chambers