

Robert G Schmitz III

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EDUCATION

Master of Science, Computer Science and Systems <i>University of Washington, Tacoma, WA</i>	Sept 2021 – Present (expected Dec 2022)
Bachelor of Science, Computer Science and Systems <i>University of Washington, Tacoma, WA</i> <ul style="list-style-type: none">Upsilon Pi Epsilon Honor Society, GPA: 3.86, cum laude	Jan 2019 – Dec 2020
Certificate, IT-LAMP Open-Source Development <i>Madison Area Technical College, Madison, WI</i>	May 2015 – May 2016
Associate in Applied Science, Electrical Engineering Technology <i>Madison Area Technical College, Madison, WI</i>	May 2003 – May 2006

EXPERIENCE

DevOps Engineer <i>BioDepot LLC, Seattle, WA</i> <ul style="list-style-type: none">Developing web application using a React front-end and Python/Flask, boto3 back-end API for rapid configuration and deployment of AWS EC2 instances.Developing GitHub Actions for automating release of Docker images.	Sept 2021 – Present
Software Engineering Intern <i>BioDepot LLC, Seattle, WA</i> <ul style="list-style-type: none">Developing bioinformatics workflows utilizing Docker containers and shell scripts to analyze big data from federally funded databases.	Oct 2020 – Sept 2021
Tutor <i>Tacoma Community College, Tacoma, WA</i> <ul style="list-style-type: none">Providing drop-in tutoring for algebra, trigonometry, calculus, and computer science.	Sept 2018 – Present
Hardware Test Engineer <i>Extreme Engineering Solutions Inc, Verona, WI</i> <ul style="list-style-type: none">Developed in-house test framework utilizing Linux/Unix, shell scripts, terminal macros, and batch scripts.Primary trainer on test procedure software and documentation development.Created and revised a total of 587 acceptance test procedures.	Dec 2010 – Feb 2017
Electronics Technician <i>Extreme Engineering Solutions Inc, Verona, WI</i> <ul style="list-style-type: none">Programmed, tested, and troubleshooted single board computers (SBC) and systems.Electronic debug and repair at the component level using microscopes, oscilloscopes, and multimeters.	Oct 2006 – Dec 2010

PUBLICATIONS

- Characterizing X86 and ARM Serverless Performance Variation: A Natural Language Processing Case Study**, *In Proceedings of the 5th Workshop on Hot Topics in Cloud Computing Performance (HotCloudPerf 2022)*

PROJECTS

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

Tutor Question Repository: A question repository wrapped with a graphic user interface designed to model relational database management system best practices. Developed in Visual Studio using C# and Azure SQL.

Equipment Tracker: Company internal equipment checkout and location tool. Developed using Linux, Apache, MySQL, PHP (LAMP stack), as well as JavaScript and Bootstrap.