

# Robert G Schmitz III

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## EDUCATION

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

## EXPERIENCE

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

## PUBLICATIONS

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- **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

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

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