Robert G Schmitz III

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| schmitzr1984@gmail.com • (608)320-0775 • [linkedin.com/in/rgschmitz](http://www.linkedin.com/in/rgschmitz) • [github.com/rgschmitz1](https://github.com/rgschmitz1) | |
| **EDUCATION** | |
| **Master** of Science, Computer Science and Systems  University of Washington, Tacoma, WA | Sept 2021 – Present  (expected Mar 2023) |
| Bachelor of Science, Computer Science and Systems  University of Washington, Tacoma, WA | Jan 2019 – Dec 2020 |
| * Upsilon Pi Epsilon Honor Society, GPA: 3.86, cum laude | |
| Certificate, IT-LAMP Open-Source Development  Madison Area Technical College, Madison, WI | May 2015 – May 2016 |
| Associate in Applied Science, Electrical Engineering Technology  Madison Area Technical College, Madison, WI | May 2003 – May 2006 |
| **EXPERIENCE** | |
| DevOps Engineer  BioDepot LLC, Seattle, WA | Sept 2021 – Present |
| * Developing Python/Flask web application for rapid configuration and deployment of AWS EC2 instances. * Developing GitHub Actions for automating deployment of Docker images. | |
| Software Engineering Intern  BioDepot LLC, Seattle, WA | Oct 2020 – Sept 2021 |
| * Developing bioinformatics workflows utilizing Docker containers and shell scripts to analyze big data from federally funded databases. | |
| **Tutor**  Tacoma Community College, Tacoma, WA | Sept 2018 – Present |
| * Providing drop-in tutoring for algebra, trigonometry, calculus, and computer science. | |
| **Hardware Test Engineer**  Extreme Engineering Solutions Inc, Verona, WI | Dec 2010 – Feb 2017 |
| * 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. | |
| **Electronics Technician**  *Extreme Engineering Solutions Inc, Verona, WI* | Oct 2006 – Dec 2010 |
| * Programmed, tested, and troubleshooted single board computers (SBC) and systems. * Electronic debug and repair at the component level using microscopes, oscilloscopes, and multimeters. | |
| **Projects** | |
| **x86 vs arm performance evaluation:** A topic-modeling application developed in Python was deployed on AWS Lambda using Docker images to study performance variability between x86\_64 and arm64 in various regions.  **Animated Gears:** An animation of a camera panning over turning gears with 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) along with JavaScript and Bootstrap CSS. | |