

Chandler Calkins

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EDUCATION

University of Washington <i>Master of Science in Computer Science & Software Engineering</i>	Bothell, WA Ongoing
University of Idaho <i>Bachelor of Science in Computer Science, Academic Certificate in Cybersecurity</i>	Moscow, ID May 2023

EXPERIENCE

Teaching Assistant <i>University of Washington Bothell</i>	September 2025 – Present Bothell, WA
<ul style="list-style-type: none">Taught undergraduate students advanced computer science topics and programming skillsEvaluated students' code and gave feedback to improve their skillsRewrote and reorganized assignments to improve the university's computer science curriculum	
Level Teaching Lead <i>X-Camp</i>	Apr 2025 – September 2025 WA
<ul style="list-style-type: none">Managed teams of teachers to ensure students were given high quality educationTaught new teachers how to teach programming to kids to assist in expanding X-Camp into the Seattle areaTaught students advanced computer science topics and programming skillsCreated, collaborated on, and updated curriculums to maximize student understanding	
Coding & STEM Coach <i>Skill Samurai</i>	Sep 2023 – Apr 2025 Redmond, WA
<ul style="list-style-type: none">Taught students basic computer science concepts and advanced programming skillsCreated an advanced Python curriculum independently that was used for several classes and campsTroubleshoot and resolved technical problems with the software students used	
Optimization Engineer / Cybersecurity Research Assistant <i>University of Idaho</i>	Feb 2022 – May 2022 Moscow, ID
<ul style="list-style-type: none">Improved experimental fuzzing tool developed by PhD studentRan tests and removed bugsAdded comments, rewrote code for cleanliness, created documentation for codebaseOptimized runtime by 10% - 40%	

PROJECTS

Robotic Assembly of Solar Arrays <i>Robotics, Python, PAC, Raspberry Pi, Networking, Git</i>	
<ul style="list-style-type: none">Programmed 2 Denso robotic arms to automatically assemble solar arrays as a proof of concept for NASAWorked with engineers from other disciplines to design and connect attachments for the robotsManaged a budget and researched supplies to orderCollaborated with NASA engineers to determine the best design choices	
Quad-Legged Walking Bot <i>Robotics, Python, Raspberry Pi, Git</i>	
<ul style="list-style-type: none">Led software development of 4-legged walking robot for university robotics clubWrote an easy to use library and documentation for controlling the robotTaught non programmer teammates how to use library to program the robotProgrammed the robot to walk and set up codebase to take sensor inputs so robot can complete complicated tasks	

TECHNICAL SKILLS

Languages: C, C++, Rust, Python, Java, SQL (MySQL), HTML, CSS, JavaScript, C#, PHP, Bash, PowerShell
Platforms: Git, Raspberry Pi, Unity, Apache, Dynamixel
Areas of Focus: Cybersecurity, Robotics, Machine Learning / AI