

Chandler Calkins

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EDUCATION

University of Washington

Master of Science in Computer Science & Software Engineering

Bothell, WA

Ongoing

University of Idaho

Bachelor of Science in Computer Science, Academic Certificate in Cybersecurity

Moscow, ID

May 2023

EXPERIENCE

Level Teaching Lead

Apr 2025 – Present

X-Camp

WA

- Managed teams of teachers to ensure students were given high quality education
- Taught new teachers how to teach programming to kids to assist in expanding X-Camp into the Seattle area
- Taught Students advanced computer science topics and programming skills
- Created, collaborated on, and updated curriculums to maximize student understanding

Coding & STEM Coach

Sep 2023 – Apr 2025

Skill Samurai

Redmond, WA

- Taught students basic computer science concepts and advanced programming skills
- Created an advanced Python curriculum independently that was used for several classes and camps
- Troubleshoot and resolved technical problems with the software students used

Optimization Engineer / Cybersecurity Research Assistant

Feb 2022 – May 2022

University of Idaho

Moscow, ID

- Improved experimental fuzzing tool developed by PhD student
- Ran tests and removed bugs
- Added comments, rewrote code for cleanliness, created documentation for codebase
- Optimized runtime by 10% - 40%

PROJECTS

Robotic Assembly of Solar Arrays | *Robotics, Python, PAC, Raspberry Pi, Networking, Git*

- Programmed 2 Denso robotic arms to automatically assemble solar arrays as a proof of concept for NASA
- Worked with engineers from other disciplines to design and connect attachments for the robots
- Managed a budget and researched supplies to order
- Collaborated with NASA engineers to determine the best design choices

Quad-Legged Walking Bot | *Robotics, Python, Raspberry Pi, Git*

- Led software development of 4-legged walking robot for university robotics club
- Wrote an easy to use library and documentation for controlling the robot
- Taught non programmer teammates how to use library to program the robot
- Programmed 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

CERTIFICATIONS, AWARDS, AND ACTIVITIES

PenTest+

April 2023 – April 2026

CompTIA

University of Idaho

NCAE Cyber Games Second Place

March 2023

Northwest Regional

University of Idaho

Eagle Scout

Nov 2018

Senior Patrol Leader, Assistant Senior Patrol Leader, Patrol Leader, Order of the Arrow Rep

Troop 356

Robotics Club

Aug 2022 – May 2023

Lead Software Engineer of Mobile Robot Team

University of Idaho