

Cameron Rutherford

HPC Software Engineer

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🐙 cameronrutherford 🌐 Robert C Rutherford

Summary

High Performance Computing Research Software Engineer with over 3 years of experience deploying, testing and optimizing scientific software and systems.

Skills

Languages

Python
C, C++
Linux, bash
Qiskit, QASM, Q#

Development Tools

Git, pre-commit
VSCode / JupyterLab
GitHub / GitLab pipelines
Docker, Conda, Spack, Poetry
Quarto, Sphinx, LaTeX

Frameworks

Quarto / nbdev
Distributed ML / Parallel Computing
Pytorch, LLAMA, AWS

Experience

Software Engineer HPC/ML/Q, Pacific Northwest National Laboratory (Virtual) **2020 - Present**

- test
- test
- test

Sports Events Coordinator, Whitworth University (Spokane, WA) **2019 - 2020**

- test
- test
- test

IT Intern, Keysight Technologies (Colorado Springs, CO) **2018**

- Deployed and Tested

Mathematics Tutor / Calculus III Grader, Whitworth University (Spokane, WA) **2017, 2019**

Basketball Coach, S.G.S. & M.L.C (Sydney, AUS) **2015**

Publications

Conferences

Education

Whitworth University, B.S. Mathematics and Computer Science **G.P.A 3.9/4.0**

- Summa Cum Laude, Outstanding Mathematics Major 2020
- ICPC Pacific Northwest Eastern Washington Site Winner 2018
- Howard R. Gage Memorial Scholarship 2017, 2018, 2019

Other Activities

Sustainable Horizons Institute HPC Mentor **2022, 2023**

Quantum Information Science / HPC STEM Mentor **2022 - Present**

Whitworth Chess Club President **2019 - 2020**

Pine Codes Hackathon Winner **2019**

SpokAnimal Shelter Volunteer **2019**

Whitworth Men's Basketball Team **2016 - 2019**