

Richard Grover

richgrov@proton.me ❖ www.grover.sh ❖ in/richgrov ❖ 801-666-0162

SKILLS

Languages: TypeScript, JavaScript, Python, Go, Rust, Java, Kotlin, C#, C++, C, Assembly

Web: React, Azure, Google Cloud, AWS, Next.js, TailwindCSS

Software: Docker, Postgres, SQL Server, Linux, React Native, PyTorch, Vulkan, OpenGL, Git

EXPERIENCE

Simulo - Startup

January 2025 – Present

Founder

Salt Lake City, UT

- Created computer vision pipelines with less than 10 milliseconds latency via OpenCV, PyTorch, and ONNX
- Used C++ and Zig on Linux edge devices to run efficient real-time inference, websockets, and rendering
- Achieved \$100 MRR and over \$700 in client-purchased equipment through marketing and sales

dCubed - Camera Rubik's Cube Solver

February 2024 - August 2024

Project

Salt Lake City, UT

- Used PyTorch & OpenCV to reconstruct all Rubik's Cube faces via only two photos, reducing user input time from several minutes to ~5 seconds
- Trained a custom detector on an auto-labeled dataset of almost 200,000 images, improving accuracy by over 3x
- Leveraged React, TailwindCSS, and Three.js to build an intuitive 3D web interface

Randomcraft

May 2022 - August 2022

Java Developer Intern

Remote

- Developed game code to run on the network's custom auto-scaling infrastructure
- Used Java to develop intelligent 3D search algorithms to reduce level configuration time
- Built on a codebase spanning 10+ repositories

Soulblade - Game Server Startup (acquired)

October 2021 – April 2022

Founder and Lead Developer

Remote

- Led a motivated team to advertise and interact with the community, gaining 100+ members pre-acquisition
- Aggressively reduced costs by building customer support, moderation, and other features in-house, saving \$1,000+ in cost, and gaining profitability
- Overcame an ecosystem of brittle, fragmented software by writing 15,000+ lines of server-side game logic in Java, allowing increased efficiency and faster iteration

ACCOMPLISHMENTS

- \$1000 Winner of VEOX AI Hackathon, 1st Place Winner of Neumont AI Hackathon
- Speaker at the Utah React conference and Utah Python Meetup
- First Place in Neumont College Project Showcase
- Vice President of Robotics Club

EDUCATION

Neumont College of Computer Science

2023 - 2026

Bachelor's of Science, Computer Science, President's List, 4.0 GPA

Salt Lake City, UT