

John Siegel

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Portfolio: <https://john-siegel.com>

Education

B.S. Computer Science, Expected graduation: December 2023
Virginia Polytechnic Institute & State University (Virginia Tech), Blacksburg, VA

Skills

Languages:

C, C++ & CMake	Java	Python
TypeScript	Dart	Go

Web Development:

Flutter	Redis	React, Next.js
MongoDB	Nodejs	Socket.io
AWS	GCP	Docker

Other Skills:

Test-Driven Dev.	Agile	Github Actions
Qt	PyTorch	OpenCV
OpenGL	JUnit	Jest

Experience

Stellar Science, Scientific Software Engineer Intern, 05/2022 – Current

- Developing C++ software for physics simulation and image manipulation
- Working on tasks related to computer vision and graphics
- Creating GUIs with Qt
- Practicing test-driven development techniques in a large codebase

Phitnest, Development Team Lead, 03/2022 – Current

- Leading a team of 8 developers
- Writing technical documentation and a developer wiki
- Organizing sprints, holding scrum, and using a Kanban on Notion
- Gaining experience using MongoDB, Express, Nodejs, and Flutter to develop a cross-platform mobile app
- Working directly with UX professionals and market researchers

Project Shinobi, C++ Developer, 10/2021 – Current

- Developing a video game with Unreal Engine 5
- Working in a team of 20 developers
- Wrote AWS Lambda functions for post-login hooks
- Setup a CI / CD pipeline with Codemagic
- Earned 3.5+ million views on a YouTube demo