

# John Siegel

Email: [jp@john-siegel.com](mailto:jp@john-siegel.com)  
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, Jr. Scientific Software Engineer**, 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