Jack Quinn

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EDUCATION

Arizona State University — Aug. 2020 - May 2025
Bachelor of Science in Software Engineering — *Tempe, AZ*

- Relevant coursework includes: Operating Systems/System Programming, Software Enterprise Lifecycle, Design and Analysis of Data Structures and Algorithms

EXPERIENCE

Founder and Software Engineer — Nov. 2021 – Present
Quinn Computing LLC — *Leesburg, VA*

- Part time software development freelancing under my own company, Quinn Computing
- Most recent project was for a golf cart sales company
- Created a full stack cart customizer application using React.js, Express.js, Mongodb and Three.js with React Three Fiber

PROJECTS

QuinnOS | *Rust* — Oct. 2023

- Created a simple OS kernel with Rust for the x86_64 architecture
- Added CLI VGA text buffer operation
- Included exceptions, faults, and interrupts as well as testing of these functionalities

Quinn Compiler | *C++* — Sep. 2023 – Oct. 2023

- Created a custom compiler and programming language
- Includes a parser, tokenizer, and code generation to assembly
- Supports basic variable declaration, scopes, if statements, and simple math
- Implements an arena allocator for storing nodes

SAAS AI | *Next.js, TailwindCSS, Prisma, Stripe, Clerk* — Aug. 2023

- Created a full stack SaaS AI helper application built with Next.js
- Uses OpenAI API for AI helper
- User authentication built with Clerk
- Database implementation built with Prisma ORM
- CSS styling implemented with TailwindCSS
- Uses Stripe for user billing

Chatty | *Node.js, React.js, Express.js, MongoDB* — June 2022 – July 2022

- Developed a full-stack chat web application using the MERN stack
- Implemented real-time chat using websockets with Socket.io
- Self made authentication system for users
- React.js frontend with Express.js and MongoDB backend and database

TECHNICAL SKILLS

Languages: Java, Rust, Python, C/C++, C#, JavaScript/Typescript, HTML/CSS, SQL
Frameworks: React, Next.js, Node.js, TailwindCSS, .NET, Express.js, Junit, Jest
Developer Tools: Git, Docker, Kubernetes