

Carl Paolino

[404-990-1500](tel:404-990-1500) | carlpaolino@fastmail.com | linkedin.com/in/carl-paolino | github.com/carlpaolino | carlpaolino.com

EDUCATION

Georgia Institute of Technology

Atlanta, GA

Bachelor of Science in Computer Science, Minor in Mathematics

August 2023 – May 2027

- Concentration in Intelligence and People
- Coursework: Data Structures & Algorithms, Object Oriented Programming, Design & Analysis of Algorithms, SQL, Artificial Intelligence, Web Development, Linear Algebra

EXPERIENCE

Software Developer Intern

June 2025 – August 2025

Healthmap Solutions

Tampa, FL

- Developing and testing internal web tools to support care coordination and population health analytics, using AWS Lambda and API Gateway
- Learning and exploring the backend services that process clinical data, using Python and AWS to ensure secure and scalable data storage

Software/Hardware Engineer

January 2025 – May

Experimental Flights

Atlanta, GA

- Collaborated with a Georgia Tech research team to improve the building of a quadcopter, ensure balance stability, and produce flight
- Preparing to design and code a software system for the drone, enabling autonomous navigation and package delivery during the next semester

PROJECTS

StackMentor.io | *Electron.js, React, Node.js, Redux, xterm.js, npm*

June 2025 – Present

- Engineering a full-stack desktop application using Electron and React for the frontend, and Node.js for backend logic, enabling users to select technology stacks and receive dynamic, chronological development guides
- Developing a modular template system that automatically generates project scaffolds and starter code based on user-selected stacks, integrating file system operations and terminal commands to automate the setup
- Integrating interactive progress tracking with checklists and persistent local storage, allowing users to monitor completed steps and document their work as they go

QuickMap | *Node.js, React, TypeScript, HTML/CSS/JS, Google Maps API*

February 2025 – May 2025

- Designed and developed a web-based mapping application to improve the search and discovery of local activities and events
- Built a personalized activity discovery system prioritizing user preferences over default option-heavy map tools like Google Maps
- Implemented an intuitive user interface using React that enables real-time filtering and dynamic visualization of nearby activities

FitJacket | *OpenAI API, Strava API, Python with Django, SQLite, Git*

September 2024 – November 2024

- Developed a web application to help elderly and disabled users learn safe and personalized exercise with AI-assisted guidance
- Followed Agile methodology with two structured sprints, using Git and GitHub for version control and collaborative development
- Deployed the application that serves our refined user stories and use cases to drive feature design and ensure user-centered outcomes

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS, Rust, GO, TypeScript

Frameworks: Next.js, Node.js, PyTorch, Django, Dialog Flow CX/ES, Bootstrap

Developer Tools: Git/GitHub, Google Cloud Console, Visual Studio Code, PostgreSQL, MongoDB, npm, AWS

Libraries: NumPy, Pandas, React, Spring Boot