Carl Paolino

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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/Hardware Engineer   January 2025 – Present
Experimental Flights   *Atlanta, GA*

- Designing and coding software systems for a delivery quadcopter and VTOL drone enabling autonomous navigation and package delivery
- Collaborating with a Georgia Tech research team to apply hardware-software integration techniques, ensure balance stability, and produce flight

Web Developer   August 2024 – December 2024
WebDev @ GT   *Atlanta, GA*

- Collaborated with a team to conceptualize and develop a 3D web browser game from scratch
- Utilized Three.js/WebGL for 3D rendering and React.js for frontend development, ensuring a smooth and easily accessible browser game

Software Developer Intern   May 2024 – August 2024
Healthmap Solutions   *Tampa, FL*

- Developed and tested internal web tools to support care coordination and population health analytics for CKD management, leveraging AWS Lambda and API Gateway
- Contributed to backend services that processed clinical data, using Python and AWS RDS to ensure secure and scalable data storage

PROJECTS

QuickMap | *Node.js, React, TypeScript, HTML/CSS/JS, Google Maps API*   Feburary 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, SQL, R
Frameworks: React, Node.js, PyTorch, Django, Dialog Flow CX/ES, Bootstrap
Developer Tools: Git/GitHub, Google Cloud Platform, Visual Studio Code, IntelliJ, Cursor, PyCharm, Trello, Slack
Libraries: NumPy, Matplotlib, Pandas, React, Next.js, Spring Boot, Socket.IO, JUnit, Three.js, MongoDB, Docker