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 Developer Intern   July 2025 – August 2025
Healthmap Solutions   *Tampa, FL*
- Developing an internal web tool with Python, React, and Django to serve as a test harness for health analytics and care coordination
- Exploring and learning about the company's migration to AWS

Undergraduate Researcher   January 2025 – May
Georgia Tech   *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

InvestIQ | *Electron.js, FastAPI, Python, TensorFlow, Hugging Face datasets*   July 2025 – Present
- Developing an AI-powered investment assistant using Python, market data APIs, and LLMs to provide personalized trading insights
- Building custom deep learning models using PyTorch and TensorFlow for stock chart pattern recognition, fine-tuned with user-generated data
- Designing an overlay UI to display live AI investment suggestions produced from LLM training

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, TypeScript
Frameworks: Next.js, Node.js, PyTorch, Django, Dialog Flow CX/ES, TensorFlow, PyTorch
Developer Tools: Git/GitHub, Google Cloud Console, Visual Studio Code, PostgreSQL, MongoDB, npm, AWS
Libraries: NumPy, Pandas, React, Spring Boot