# 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 – Present
*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 contribute to the design and implementation of a forest-fire prevention drone communication system enabling real-time telemetry, sensor data, and video streaming via RTMP and HTTP servers

## PROJECTS

**InvestIQ** | *Electron.js, FastAPI, Python, Scikit-learn, Raw/Live datasets* — July 2025 – Present
- Developing an AI-powered investment assistant using Python, market data APIs, and LLMs to provide personalized trading insights
- Fine-tuning learning models with regression for predicting stock activity based on raw and live datasets of global and personal trade history
- 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, Scikit-learn
**Developer Tools**: Git/GitHub, Google Cloud Console, Visual Studio Code, PostgreSQL, MongoDB, npm, AWS
**Libraries**: NumPy, Pandas, React, Spring Boot