

Carter Tierney

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EXPERIENCE

CRO/Co-Founder

Dec 2025 – Present

progsu – Programming Club @ GSU

- Secured \$80,000 in sponsorships to date, owning a CRM pipeline for 600+ industry contacts and 20 partners
- Managing a 15-person board to lead judging coordination for 1,000+ students at [Hacklanta](#)

Software Engineering Intern

June 2026 – Aug 2026

FanDuel

- Engineered and documented a scalable serverless AWS platform on DynamoDB and S3 that deployed AI-built Claude and Lovable apps, letting any employee ship frontend projects securely in one upload, cutting engineering overhead
- Wrote readable, testable, maintainable code in agile sprints with Jest, PyTest, and Playwright unit/integration tests
- Automated CI/CD and infrastructure with Terraform, securing access via Cognito and WAF, monitored in Datadog
- Built a responsive React and TypeScript web frontend with TailwindCSS and Glassmorphism for smooth UI/UX
- Collaborated cross-functionally via stand-ups and code reviews; demoed the platform, turning feedback into features

AI Software Engineer

April 2026 – June 2026

Handshake AI Projects (Contract)

- Refactored AI-generated code in 50+ open-source Python and Java projects via peer code reviews for code quality
- Troubleshoot and debugged LLM-generated code with analytical problem-solving, improving AI model reliability

Graduate Teaching Assistant

Jan 2026 – Present

Georgia State University

- Mentored 40 students in weekly labs, communicating Python fundamentals and coding concepts to beginners
- Graded weekly assignments and exams for Intro to Python, evaluating structured programming across 60 students

Co-Founder

Sep 2025 – March 2026

QuantDFS – Sports Analytics Platform

- Trained supervised ML models on 25+ years of data, backed by market and competitor research, to optimize lineups
- Launched publicly, iterating Figma designs into a React and TypeScript app on AWS that grew to 100 users

PROJECTS

The Paulk Clinic Website | *HTML, CSS, JavaScript, PHP, Google Analytics*

July 2025

- Maintained a legacy WordPress site, shipping improvements for 2.5x impressions and 2.75x conversions in 3 months
- Partnered with clinic stakeholders to gather requirements, translating business objectives into technical deliverables

VoiceVitals: 1st Emory Hacks | *Python, TypeScript, React, PyTorch, FastAPI, GCS, Firebase*

Nov 2025

- Pitched to 200 attendees a secure doctor-patient platform on GCS/Firebase with auth and role-based access
- Trained and evaluated XGBoost ensemble models on audio data, reaching 68% early dementia detection accuracy

wdym86: 2nd UGAHacks XI | *React, Node.js, FastAPI, Google Gemini API, AWS, Docker, TypeScript*

Feb 2026

- Built a full-stack restaurant platform with a Gemini LLM RAG pipeline and NumPy forecasting
- Shaped product roadmap for inventory forecasts and POS integration using personal experience and business concepts

Fraud Analytics Pipeline | *Python, PySpark, Kafka, PostgreSQL, FastAPI, scikit-learn, Docker*

Present

- Built a PySpark Structured Streaming ETL from Kafka to PostgreSQL with 5-minute windowed aggregations
- Scored live transactions with fraud rules and A/B-tested Isolation Forest models via FastAPI microservices

EDUCATION

Georgia State University

Atlanta, GA

Master of Science in Computer Science 3.5 GPA

Jan 2026 - May 2027

Bachelor of Science in Computer Science 3.3 GPA

Aug 2022 - Dec 2025

Leadership: Co-Founder [progsu](#) (**2000+ Members**), President Barbell Club, President IEEE GSU chapter, Grad TA

TECHNICAL SKILLS

Languages: Python, SQL, TypeScript, JavaScript, Java, HTML, CSS, C++

Frameworks: React, FastAPI, NodeJS, TailwindCSS, React Native, Express, XGBoost, PyTorch, PySpark, Kafka

Tools: Git, AWS, Terraform, Jest, PyTest, Playwright, Buildkite, CI/CD, Docker, PostgreSQL, GCS, Supabase, Datadog, Figma, S3, DynamoDB, CloudWatch

Concepts: Object-Oriented Programming, SDLC, Agile, Database Design, Systems Analysis and Design, Structured Programming, Rapid Prototyping, Infrastructure as Code, ETL, Machine Learning, LLM APIs, RAG, AI-Assisted Development (Claude, Cursor)