

Cailean M. Matthews

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EDUCATION

University of North Carolina at Charlotte <i>M.S. in Computer Science</i>	Charlotte, NC <i>Expected May 2027</i>
University of North Carolina at Charlotte <i>B.S. in Computer Science (GPA: 3.8 Chancellor's List)</i>	Charlotte, NC <i>Expected May 2026</i>
Central Piedmont Community College <i>Associate of Arts</i>	Charlotte, NC <i>May 2024</i>

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript
Backend & APIs: FastAPI, Django, RESTful APIs, OAuth2, PostgreSQL, SQLite
Frontend: React, Tailwind CSS
Cloud & DevOps: AWS EC2, Docker, Linux, CI/CD, GitHub Webhooks

PROJECTS

FAIR <i>React, FastAPI, AWS EC2, Docker, CI/CD</i>	January 2026
<ul style="list-style-type: none">Designed and built a real-time stock analytics platform consuming live market data and financial news via external APIs, supporting per-stock historical analysis and market-wide summaries.Implemented a RESTful backend using FastAPI and deployed the full-stack system to AWS EC2 with Dockerized services.Built an automated CI/CD pipeline using GitHub webhooks to enable zero-downtime push-to-deploy updates.Collaborated on a 4-person engineering team during the LPL Financial Hackathon, contributing across frontend and backend components.	
Toolbox.AI <i>FastAPI, React, OAuth2, WebSockets</i>	October 2025
<ul style="list-style-type: none">Architected a scalable LLM-powered web application with a FastAPI backend and React frontend, supporting real-time token streaming for low-latency responses.Implemented secure OAuth2 authentication and persistent chat history storage using SQLite.Designed and built a responsive UI using Tailwind CSS, contributing to winning Best UI/UX at the UNC Charlotte CCI Startup Hackathon.	
UNCC Tutor <i>Django, PostgreSQL, Agile</i>	April 2025
<ul style="list-style-type: none">Developed a tutoring management platform using Django following the MVT architecture pattern.Designed and implemented a PostgreSQL schema supporting complex relationships between students, tutors, and scheduling availability.Worked in an Agile team of 5 engineers, using Git for version control, Trello for sprint planning, and enforcing structured code reviews.	

LEADERSHIP

HAVK Club (UNCC) <i>Vice President</i>	Charlotte, NC <i>Present</i>
<ul style="list-style-type: none">Coordinate weekly club meetings, technical workshops, and student engineering initiatives.	

HONORS & AWARDS

2nd Place Winner & Most Creative | *HAVK AI and Data Visualization Competition*
Most Creative Entry | *HAVK Web Development Competition*
Best UI/UX | *UNC Charlotte CCI Startup Hackathon*

CERTIFICATIONS

DeepLearning.AI & Stanford Online: Supervised Machine Learning: Regression and Classification (Aug 2025)