Caroline Varner

carolinevarner04@gmail.com | (912)-677-2336 | www.linkedin.com/in/caroline-varner/ | github.com/carolinevarner

EDUCATION

Kennesaw State University   **Marietta, Georgia**

Bachelor of Science in Software Engineering, Minor in Interactive Design   Graduation, December 2025

- **GPA:** 3.50
- **Related Coursework:** OOP, Data Structures, Software Testing & QA, OS, Software Architecture, Internet Programming, Cloud Software Development, Computer Organization and Architecture, User Centered Design**,** Software Project Management

SKILLS

Languages/Frameworks: Java, C#, C++, Python, React/Next.js, Typescript, HTML/CSS, SQL, ASP.NET Core
Developer Tools: Visual Studio Code, IntelliJ, PyCharm, MS Office Suite, Adobe Creative Cloud, AWS, GitHub, Figma
Core Strengths: Technical proficiency, collaboration, adaptability, innovation, communication, project management

EXPERIENCE

Kennesaw State University College of Computing and Software Engineering   **Marietta, Georgia**

Team Lead - Lab Assistant/Tutor   Aug 2023 – Present

- Supported **300+** students across multiple programming courses **(Java, Python, C#)** through lab instruction, debugging, and concept review.
- Collaborated with faculty to design lab materials and enhance technical communication and peer learning.
- Assisted with new hire onboarding by conducting technical interviews with management and generating new hire procedure documents/work methods
- Mentored new assistants by developing a shared **GitHub** repository with curated code examples for hands on practice.
- **Recognized as Employee of the Month (Dec 2024)** for leadership, adaptability, and mentoring excellence.

PROJECTS

FlowCounts | React, Django REST Framework, SQLite, JWT   **Atlanta, Georgia**

Team Lead   August 2025 – Present

- Designed a secure, web-based accounting platform simplifying financial tracking for small businesses.
- Led backend integration and authentication using **JWT**; implemented secure multi-role access control.
- Built accounting modules (chart of accounts, journal entries, trial balance, financial reports).
- Drove innovation through automation, emphasizing adaptability and scalable data flow architecture.

AI Threat Modeling Pipeline (Senior Capstone – Cox Communications) | Python, OCR, LLMs, Docker, AWS   **Atlanta, Georgia**

Developer   August 2025 – Present

- Engineering an **AI-driven pipeline** automating threat modeling for **cloud systems** using **LLMs** and **STRIDE**.
- Integrating **OCR** for diagram parsing and generating structured human/machine-readable reports.
- Designing modular architecture with containerized deployment and risk visualization features.
- Coordinating project management and documentation to ensure high-quality, timely delivery.

ManageMe.io | ASP.NET Core, C#, HTML/CSS, JavaScript, MongoDB, AWS Elastic Beanstalk   **Atlanta, Georgia**

Backend Lead   Jan 2025 – May 2025

- Developed and deployed a full-stack web application using **ASP.NET Core MVC** and **MongoDB**, hosted on **AWS Elastic Beanstalk** for automatic deployment and scaling
- Implemented a scalable microservices architecture with repository pattern to achieved **99.9%** uptime and handled over **1000** concurrent users
- Created a dynamic task management system with real-time updates and status tracking
- Integrated **MongoDB** for efficient data storage and retrieval and optimized query performance by **35%**

LEADERSHIP/ACTIVITIES

Kennesaw State University College of Computing and Software Engineering   **Marietta, Georgia**

Senator   Aug 2023 – July 2024

- Represented students in university council; addressed budget and engagement initiatives.
- Promoted inclusive events for underrepresented groups and strengthened community collaboration.