Caroline Varner

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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.

Fusion Restaurant Simulator | Multi-Threading & IPC   **Atlanta, Georgia**
Developer   Jan 2025 – May 2025
- Implemented multi-threading in **C#** with mutex locks and semaphores to manage chef threads and resolve deadlocks.
- Built an **IPC** system using **named pipes** for real-time data exchange between independent processes.
- Utilized thread management, resource protection, and process communication to enhance performance and reliability

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.