## **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

August 2025 - Present

Team Lead

- 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.