

MIKA COLLINS

(704) 438-7030 | mpc8052@uncw.edu | linkedin.com/in/mika-collins | github.com/mika-collins
https://mika-collins.github.io/

EDUCATION

University of North Carolina Wilmington

May 2026

B.S. Software Engineering

GPA: 3.6

Minors: Computer Science & Spanish

SKILLS

- **Programming Languages:** Python, Java, JavaScript, TypeScript, HTML, CSS, PHP
- **Frameworks/ Tools:** Git, GitHub, Vue.js, React, Node.js, Figma, VSCode, IntelliJ IDEA, SceneBuilder
- **Concepts:** OOP, Data Structures & Algorithms, Software Development Life Cycle, Agile/Scrum

RELEVANT EXPERIENCE

Research Assistant, UNCW CSC Department | Wilmington, NC

January 2026 – Present

- Conducting vision driven research on agentic software engineering by analyzing agent robustness, including the effects of issue language, prompt injection, integrity violating actions, and behavioral differences of public agents.
- Implementing a Docker-based automation pipeline using SWE-bench to evaluate AI agents on solving real GitHub issues, capturing execution traces, code changes, and test outcomes for analyzing agent performance.

Undergraduate Teaching Assistant, UNCW CSC Department | Wilmington, NC

January 2025 – Present

- Reviewed and debugged Python code for roughly 200 students across Intro to Computer Science and Data Structures courses, providing constructive feedback, code suggestions, and guidance to improve coding skills.
- Collaborated with the professor to design test files and deliver evaluations, contributing to effective communication, prompt feedback, and delivery of a high-quality course for students.

Research Assistant, UNCW CSC Department | Wilmington, NC

June – August 2025

- Conducted applied research on LLMs (ChatGPT-4o, ChatGPT-5, Mistral) to evaluate their ability to generate secure code, identifying vulnerabilities such as SQL injection, XSS, and data exposure.
- Developed and iterated backend services in Node.js (TypeScript), Python (Flask), and Java (Java Spring Boot); produced architecture diagrams, database schemas, and test cases.

PROJECTS

Room Occupancy Visualization System

August – December 2025

- Collaborated in a 4-member team to develop a room occupancy system integrating Raspberry Pi endpoints, a Flask backend, and a Vue.js client to process and display real-time Wi-Fi scan data as a dynamic heatmap.
- Led front-end development using HTML, CSS, Javascript, and Vue.js, implementing modular components and API integration, while leveraging GitHub for CI/CD workflows and following Agile sprints with regular scrums.

Internship Application Tracker

May 2025

- Developed an internship tracker for students in Java using JavaFX, SceneBuilder, and CSS with an OOP design emphasizing modularity, maintainable code, and CSV file integration for local data storage.
- Implemented features including a real-time pie chart, search functionality, editable entries, error handling, and color-coded table columns, improving usability, visual clarity, and overall user experience.

CAMPUS INVOLVEMENT

Sigma Delta Pi (National Collegiate Hispanic Honor Society) | Member

April 2025 – Present

Software Engineering Advisory Board | Student Representative

January 2025 – Present

Society of Women Engineers (SWE) | Member

September 2024 – Present

Association for Computing Machinery (ACM), Wilmington Chapter | Member

February 2024 – Present