

Katherine Hammer

(919) 450-7232 | katieahammer@gmail.com | LinkedIn | Website

Local address: 1310 Thornbury Ave, Raleigh, NC 27607 | Permanent address: 289 Imagine Way, Pittsboro NC, 27317

Objective

Computer Science senior at North Carolina State University seeking employment to apply and enhance skills in data analytics, coding, and cybersecurity. Committed to leveraging problem-solving, communication, and technical abilities to optimize software performance and user interfaces.

Education

North Carolina State University

Expected May 2025

Computer Science Engineering- Bachelor of Science

Credits Completed: 90 hours

GPA: 3.5/4.0

Relevant Courses: Linear Data Structures, Software Development, Intro to Computing, C/Software Tools, Automata & Grammars, Engineering in the 21st Century, Statistics, Calculus, Physics, Discrete Mathematics, Linear Algebra, Technical Writing

Work and Volunteer Experience

Summer Researcher

May 2024 – July 2024

University College Dublin

- Collaborated with a professor and PhD student to design, execute, and analyze experiments, contributing to advancements in AI understanding and application.
- Conducted research on AI prompting techniques, focusing on anthropomorphism, extrapolation, prediction, and code translation to evaluate ChatGPT's capabilities in scientific inquiry.
- Explored error code messages and resolution through one-shot prompting methods, enhancing AI-driven debugging processes.

Summer Coding Teacher

May 2023 – August 2023

The Coder School

- Instructed and mentored students in game development and programming using Scratch, Python, and AI
- Created a safe learning environment by maintaining a secure digital workspace and teaching internet safety
- Conducted interactive lessons/demonstrations to engage students passionate about computer science.

Lifeguard

May 2020 - August 2022

Willowhaven Country Club

Poll Workers Assistant

Nov 2020 – Nov 2021

Durham county Poll Workers

Academic Projects

- Develop code in Java, Python, Matlab, and C
- Created video games, backlog product design, data tracking, algorithmic programs, scheduling systems, data/statistical analysis, non-linear data structures, graph theory, and professional presentations
- First Year Engineering Design Day Competition: Collapsible Bridge- Tasked with creating a five-foot collapsible bridge that could hold 40lbs, weighted less than 5 lbs, and could be assembled in less than one minute. Placed Third overall for this design

Achievements/Activities

Swim Team

Summer 2010-2020

ACT WorkKeys Test- Platinum ranking

Spring 2020

NCSU Dean's List

Fall 2021-Now

Intramural Soccer/Kickball

Spring 2023-Now

Technical Skills

Programming Languages: JavaScript, Java, Python, C, MatLab, SQL, HTML

Tech/Tools: Git, Eclipse, VS Code, Jenkins, Machine Learning, Linux & OS Systems, AutoCAD, Version control, APIs, MVC, UML,

Polymorphism, Iterators, Recursion, Unit Testing, Inventor, Logger-Pro, VEX-Robotics, 3D printing, Circuit Design, Breadboarding