Katherine Hammer
(919) 450-7232 | katieahammer@gmail.com|<u>LinkedIn</u>
Local address: 4201 Satula Ave, Raleigh, NC 27607 | Permanent address: 3317 Park Overlook Dr, Durham NC, 27712

Objective
Computer Science junior at North Carolina State University seeking a summer internship 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: 74 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 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
- Supervised swimmers and carefully enforced facility policies and guidelines to ensure safety
- Conducted daily checks on swimming areas and equipment to maintain safety and good condition
- Responded to emergencies with first aid and CPR training, prioritizing the well-being of patrons.

Poll Workers Assistant   **Nov 2020 – Nov 2021**
Durham county Poll Workers
- Orchestrated efficient polling station setup and dismantling procedures
- Guided voters through registration processes, ensuring a smooth and user-friendly experience
- Maintained a secure and organized environment, prioritizing the integrity of polling/voting security

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