

Amanda Currie

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EDUCATION

North Carolina State University Raleigh, NC
Bachelor of Science in Computer Science, GPA: 3.83 / 4.0 Expected May 2026

WORK EXPERIENCE

North Carolina State University Raleigh, NC
Lead Teaching Assistant August 2024– Present

- Collaborated with faculty and lab admins to refine and develop course material
- Managed administrative tasks such as assigning grading groups, maintaining course website, and coordinating exam logistics

Teaching Assistant August 2023– May 2024

- Taught students computer science fundamentals including UNIX, HTML, CSS, and GitHub
- Graded assignments and assisted students with learning the materials via regularly scheduled office hours and presentations
- Discovered a passion and aptitude in helping others grasp new computing concepts

NetApp Durham, NC

Software Engineer Intern May 2024 – August 2024

FreeBSD Long Option Command Support:

- Developed and integrated long option command support into the ONTAP operating system, working with C product code
- Leveraged GenAI to accelerate the development and debugging of Continuous Integration (CI) related Python scripts impacted by my product code changes
- Documented entire project, process and best practices on a Confluence page
- Provided an approach and scripting that can be leveraged for future FreeBSD command extensions

RESEARCH EXPERIENCE

Department of Computer Science, North Carolina State University Raleigh, NC
Undergraduate Researcher August 2024– Present

- Optimizing machine learning (ML) pipelines in Micro-C for energy-efficient deployment on Raspberry Pi Pico 2
- Investigating real-world applications of low-power ML, with a focus on optimizing energy consumption and computational performance

RELATED COURSEWORK

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- Operating Systems
 - Data Structures and Algorithms
 - C and Software Tools
 - Automata, Grammars, and Computability
 - Discrete Mathematics for Computer Scientists

TECHNICAL SKILLS

C | Python | Java | Linux | GitHub | Visual Studio Code | Eclipse | Jenkins

ACTIVITIES & COMMUNITY SERVICE

Women in Computer Science (WiCS)

Society of Women Engineers (SWE)

- Participated in SWE's Company Night, connecting with technology and engineering companies
- Contributed to Shackathon construction and shifts for Habitat for Humanity fundraising

Girls Engineering Change

- Educated female elementary to high school students in engineering skills and problem-solving through workshops