Brooke Wu | bwu25@ncsu.edu

Objective

A current sophomore student majoring in Computer Science and seeking an internship or co-op opportunity starting Summer 2025 in software engineering or full-stack development.

Education

North Carolina State University (Expected graduation December 2026), GPA: 4.0

Major: Computer Science, Bachelor of Science (B.S.)

Courses: CSC 316 (Data Structures & Algorithms), CSC 230 (C & Software Tools), CSC 216 (Software Development Fundamentals), CSC 226 (Discrete Mathematics)

Skills

Programming Languages: Java, C, C#, JavaScript, TypeScript, SQL, Python, Ruby

Web Technologies: Ruby on Rails, Next.js, React.js, HTML, CSS

Concepts: Test-driven development, Supervised Machine Learning & Linear Regression, Statistical data analysis, Qualitative data analysis

Operating Systems: Linux, Windows, MacOS, Android

Tools: Git, Jenkins, Docker, Microsoft Office Suite, Adobe Creative Cloud

Experience

Computer Science Department at North Carolina State University (June 2024 – August 2024), Research Assistant

- ❖ Conducted qualitative data analysis on recording transcripts
- ❖ Analyzed the use of artificial intelligence and educational technology in classrooms
- ❖ Evaluated how educational usage of AI, software, and web tools compare between STEM and non-STEM classes

   Skills Used: Qualitative data analysis, Microsoft Excel

Computer Science Department at North Carolina State University (January 2024 – May 2024), Research Assistant

- ❖ Analyzed distribution of student interactions when using the traditional pair programming technique versus the alternate puzzle technique
- ❖ Categorized data using a tagging system based on different types of interactions
- ❖ Explored encouraging equity in computer science education

   Skills Used: Qualitative data analysis, Microsoft Excel, AirTable, LaTeX

Panera Bread (June 2023 – August 2023), Cashier

- ❖ Communicated effectively to ensure a quality experience for customers
- ❖ Assisted customers in using technology in the restaurant such as the kiosks
- ❖ Maintained standard protocol for closing the location during closing shifts

   Skills Used: Customer service, teamwork

Laber Labs (May 2022 – June 2022), Research Intern

- ❖ Researched applications of statistical analysis for marketing research
- ❖ Designed a section of the Alternative Stats web project
- ❖ Designed levels for Zombies on Treadmills, a browser game made in Unity

Skills Used: R programming, Unity

Honors and Activities

NC State University Dean's List (All previous semesters)

NC State University Theater Department (August 2023 – December 2023), Volunteer, Costume Shop

- ❖ Designed and sewed costumes for productions of the Fall 2023 season
- ❖ Organized the department's expansive costume collection for the annual thrift store event
- ❖ Took promotional photographs of costumes to be published in advertisements

Skills Used: Communication, organization, advertising