

Hunt Tynch

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Objective

Computer Science senior at NC State with a 3.8 GPA, passionate about backend development, full-stack engineering, and AI/ML applications. Experience in software design, implementation, and Agile methodologies. Looking for a Software Engineering role where I can apply my skills.

Education

North Carolina State University | Raleigh, North Carolina

May 2025

- **BS in Computer Science** | **3.8 GPA** | **Dean's List**
- **Relevant Courses:** Software Engineering, Data Structures & Algorithms, Operating Systems, Computer Networks, Network Security, Artificial Intelligence, C & Software Tools, Computer Organization and Assembly Language

Skills

Programming Languages: Java, C, JavaScript, Python, Assembly, SQL

Frameworks & Libraries: Spring, React.js, TailwindCSS

Databases & Tools: MySQL, Docker, Git, GitHub

Operating Systems: Windows, Linux

Projects

Audio Routing Model [Python, MariaDB, Next.js, TailwindCSS, Docker, GitHub]

Sponsored by: Laboratory for Analytic Sciences (LAS) at NCSU

- Trained a machine learning model to route audio files to speech-to-text models depending on audio specific features.
- Managed a multi-container environment using docker compose and deployed to an AWS Commander instance.
- Collaborated with a 5-person Agile team using GitHub projects.

WolfCafe [Spring Boot, MySQL, React, Node.js, Docker, GitHub Actions]

- Led backend team in designing and developing RESTful APIs for a café management system.
- Implemented CI/CD pipelines with GitHub Actions for automated testing and deployment.
- Containerized the full-stack application for seamless deployment.

Personal Portfolio Website [React, TailwindCSS, GitHub, GitHub Actions] (<https://hctynch.github.io>)

- Developed a personal portfolio using React and TailwindCSS.
- Utilizes GitHub actions for CI/CD and is hosted on GitHub pages.

Data Structures and Algorithms [Java, JUnit]

- Built a comprehensive project including dozens of data structures and algorithms.
- Tested and Implemented Maps, Trees, Sets, Forests, Hashing, Searching Algorithms, Sorting Algorithms, Adaptable Priority Queues, Stacks, and Lists (positional, array based, linked.)

Experience

R&D Summer Employee | Avoca LLC. | Merry Hill, North Carolina

May - July of 2023 & 2024

- Conducted data analysis on transgenic sage plants, organizing large datasets in Excel.
- Utilized analytical problem-solving skills for DNA sequencing.
- Worked in a team-oriented environment, collaborating with chemists and agricultural staff.