

# Taylor Yang

taylor yang9264@gmail.com | 336-686-6630 | Raleigh, NC

[tayleyi.com](http://tayleyi.com) | <https://www.linkedin.com/in/yang-taylor/>

## ABOUT

Computer science senior with a strong background in software engineering, statistical analysis, and project management. Looking for full-time software engineering opportunities, starting July 2025 or after. Open to relocation within the US.

Experience with Java, JavaScript, R, SAS, Python, MATLAB, SQL, Unix, Git, Agile. Relevant coursework includes Software Engineering, Operating Systems, Data Science, Automated Learning/Data Analysis, Statistical Inference/Regression.

## EDUCATION

### North Carolina State University

*Bachelor of Science in Computer Science, Minor in Statistics. GPA: 3.8/4.0.*

Expected May 2025

Raleigh, NC

### Cornell University

*Online Certificate in Machine Learning Foundations*

August 2024

## EXPERIENCE

### Data Analyst Intern

*Wells Fargo, Data Management and Insights*

June 2024 - August 2024

Charlotte, NC

- Developed a chatbot for NLP extractive summarization of policy documents using chainlit and spaCy in Python 3
- Assessed quality control of data reporting activities through Oracle SQL Developer, Microsoft Excel, and Power BI
- Earned Microsoft Azure (AZ-900, DP-900) certifications for attesting cloud computing and data comprehension
- Gained a deeper understanding of banking regulations and policies, such as FR 2052a, BSA/AML, FR Y-14
- Refined a written operating model for enhancement and maintenance of the onboarding/training framework

### Software Research Assistant

*NCSU College of Humanities and Social Sciences, Networked Mobilities Lab*

January 2024 - May 2024

Raleigh, NC

- Implemented new features on existing Retro Mobile Gaming Database, which was based around a Java Spring REST API and PostgreSQL database, along with a VueJS (JavaScript) front end
- Collaborated with the NML team to make accessibility updates to the RMGD site, including for web and mobile

### System Engineering Intern (Secret)

*Northrop Grumman, Mission Systems*

May 2023 - July 2023

Baltimore, MD

- Verification and validation on a MatLab model of a radar-adjacent program, recording results on an OQE document
- Performed data post-processing on signal I/Q data to ensure the model met customer-specified requirements
- Fixed two major bugs related to failing tests, committing changes and resolving conflicts in the remote Git repository
- Collaborated on a small Agile team, with meetings with the customer and support from tools like Jira/Confluence

### Software Intern

*Siemens, eMobility*

December 2022 - March 2023

Wendell, NC

- Wrote software documentation on Confluence for ST/SCL/FBD code while interacting with Siemens TIA Portal
- Extended MLFB code configurator from European to US market so that clients can customize their product order

## VOLUNTEERING

### Vice President of Student Organization

*NCSU Women in Computer Science-WiCS, ACM-W Chapter*

January 2024 - Present

Raleigh, NC

- Cultivated a peer mentorship program of about 40 students for experienced juniors/seniors to advise others
- Proposed and implemented new programs to improve involvement with corporate partners, such as an industry mentorship program, to provide more opportunities to students
- Previously Workshop Committee Chair (2023), Member (2022): organizing monthly professional and technical workshops for members, communicating with corporate partners and ensuring satisfactory workshop attendance

### Teaching Assistant

*North Carolina State University, Computer Science Department*

August 2024-Present

Raleigh, North Carolina

- Hosted weekly office hours for E115, an introductory computing course for all College of Engineering students
- Graded and provided feedback for Unix, Git, Microsoft Excel, and HTML/CSS assignments