

Alexander Wu

New York, NY

azw7225@nyu.edu | 412.377.8911 | [linkedin.com/in/alexander-wu-4b0239188/](https://www.linkedin.com/in/alexander-wu-4b0239188/)

EDUCATION

New York University

Sep 2022 - May 2026

Bachelor of Science, Mathematics and Computer Science

Minor: Cybersecurity

Coursework: Data Structures and Algorithms, Object Oriented Programming, Linear Algebra, Combinatorics, Design and Analysis of Algorithms, Intro to Databases, Computer Architecture, Applied Probability

SKILLS

Technical Skills: Python, C++, HTML/CSS, Javascript, SQL, Kotlin, Java

EXPERIENCE

PNC Financial Services

May 2024 - Present

Software Engineering Intern

- Worked with the Technology Innovations team on Scan and Learns for emerging technologies such as 6G and deep fakes
- Prototyped applications of small language models using PyTorch and biometric verification in Android Studio
- Developed a chatbot application with a RAG architecture built in Python and used a Pinecone vector database to parse FFEIC bank regulation documents, boosting productivity by 35%

New York University

August 2023 - Present

Computer Science Teaching Assistant (OOP in C++)

- Led 2 weekly labs with 30-60 students each and guided them through programming lab assignments
- Graded weekly assignments based on code correctness and style
- Instructed students on object-oriented programming ideas through weekly office hours

PROJECTS

Autograder | C++, Python

- Developed an autograder on Gradescope for assignments and labs for an introductory Object Oriented Programming course
- Decreased grading times for teaching assistants by 20% by automating tasks such as comparing output for hundreds of students a semester

Air Ticket Reservation System | Python Flask, SQL, HTML, CSS

- Simulates an online flight booking system that supports both customer and staff accounts as well as specific functionality for each group
- Created a backend using a MySQL database, Apache web server, and Flask to connect the database with the frontend
- Created a frontend consisting primarily of HTML/CSS for a user interface with some Javascript for certain graphics

Personal Portfolio Website | HTML, CSS

- Designed and developed a personal portfolio website hosted on GitHub pages using HTML and CSS to showcase skills and display future projects

CLUBS

Vice President: Applied Mathematics Club

Member: Society of Asian Scientists and Engineers