

Hailee Yun

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EDUCATION

New York University, Tandon School of Engineering, New York, NY

May 2026

Bachelor of Science in Computer Science, Minor in Business and Mathematics, GPA: 3.82/4.0

Relevant Coursework: Design & Analysis of Algorithms, Data Structures & Algorithms, Computer Architecture, Data Analysis, Object-Oriented Programming, Discrete Math, Microeconomics, Linear Algebra, Operating Systems

TECHNICAL SKILLS

Coding Languages: Python, C++, Java, C#, JavaScript, SQL, x86, C

Operating Systems: Windows, Mac OS, iOS, Linux

Other Tools: React, Flask, Spring Boot, Arduino, Fusion 360, Microsoft Office, AWS, Hadoop, Tableau, MongoDB

AWARDS

The Jihoon Rim Foundation 2023 Scholarship

July 2023

Dean's List, New York University

September 2022 - PRESENT

EXPERIENCE

Quantitative Analyst Intern, PNC, Pittsburgh, PA

May 2024 – August 2024

- Leveraged Anaconda and Jupyter Notebook for Python-based data analysis, utilizing decision trees and random forests to target specific subsets of applicants, identifying riskier clients for booking
- Utilized SQL, Hadoop, and Tableau to extract, transform, and load data from multiple sources, ensuring accurate and comprehensive analysis of financial datasets.
- Conducted an in-depth analysis of PNC customers in New York, investigating higher delinquency rates and uncovering underlying causes based on customer attributes and performance.
- Collaborated in a Capstone team to analyze customer spending patterns across PNC credit cards and provide insights into customer behavior.

Software Development Intern, DataVal Ventures, New York, NY

September 2023 – December 2023

- Developed and implemented automated cloud-enabled distributed computing applications using AWS Lambda to orchestrate the execution of machine learning routines.
- Designed and built a user interface for DataVal Ventures' product, allowing manual control of execution, threshold adjustment, and real-time progress monitoring of model performance.

Intro to Programming Teaching Assistant, NYU, New York, NY

September 2024 – PRESENT

- Led weekly lab sessions and guided students through core Python programming concepts.
- Assisted in creating and grading exams, ensuring accurate assessment of student progress.
- Offered daily office hours, providing personalized assistance to help students excel in course material.

TECHNICAL PROJECTS

ASL Hand Detection | Python, OpenCV, TensorFlow, Google Teachable Machine

- Developed a real-time American Sign Language hand sign recognition system using computer vision and machine learning techniques. Implemented data collection, model training, and web deployment.
- Trained a convolutional neural network (CNN) using Google Teachable Machine.

Virtual Pantry | Python, Flask, SQL, CSS, HTML, JavaScript

- Created a full-stack application in a team of two using Python, SQL, CSS, HTML, and JavaScript to enable users to efficiently manage their food inventory at home.
- Implemented features such as tracking grocery quantities, expiration dates, and generating alerts for low stock or upcoming expiration items.

Movie Matcher | Spring Boot, React, MongoDB, Java, Maven

- Implemented a full-stack website for users to browse movies, post reviews, and personalize watchlists.
- Developed backend services using Spring Boot and MongoDB for efficient data handling and storage, and created a responsive, user-friendly frontend using React and Bootstrap.

3D Unity Game | C#

- Developed a first-person player movement game using Unity, incorporating C# scripts for gameplay mechanics and interaction