

Shihang Wei

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EDUCATION

New York University

New York, U.S.

B.S. in Computer Science; GPA: 3.94/4.00

Aug 2022 – May 2026

Minor in Mathematics

Relevant coursework: Object Oriented Programming, Data Structure and Algorithm, Discrete Math, Linear Algebra, Multivariable Calculus, Machine Learning Specialization

SKILLS

Languages: C/C++, Python, JavaScript, Swift

Technologies: Git, TensorFlow, Matplotlib, Scikit-Learn, NumPy, Pandas

PROJECTS

California Housing Price Prediction

- Analyzed and plotted the dataset of 20640 instances of California housing prices using Matplotlib and Pandas, and further cleaned the data using Scikit-Learn and Pandas.
- Built data preprocessing pipeline and trained Linear Regression and RandomForestRegressor models to predict housing prices using Scikit-Learn. Tuned and evaluate the model by using cross-validation.

iOS Application | [GitHub](#)

- Developed an iOS application that allow sharing photos, comments, and app emojis using Swift and Firebase.
- Implemented Widget that auto-refresh when user opens the app and every 15 minutes when app in background.
- Enabled pushing notification and data sharing using Firebase Cloud Function and Firestore database.

EXPERIENCE

NYU Object Oriented Programming

New York, U.S.

Teaching Assistant

Jan 2024 – Present, Part-time

- Lead weekly laboratory sessions with 20-30 students, enhanced their technical abilities in CS-UY 2124 Object-Oriented Programming using C++.
- Held weekly office hours for explaining essential concepts and evaluate weekly homework and lab tasks, delivering helpful feedback.

Student Hall Council

New York, U.S.

President

Sep 2023 – Present, Part-time

- Held executive meetings for council directors in two halls and lead discussions in event and advocacy committees.
- Held bi-weekly General Assembly meetings for floor representatives and Residential Assistants. Lead students to create welcoming and inclusive events and take in advice and resolve residential issues for students.

NYU Robotic Design Team

New York, U.S.

Member

Sep 2022 – Present, Part-time

- Competed in NASA Lunar Lander Challenge, Designed and Constructed a rover that's capable of moving and mining on the Lunar surface. Designed power distribution board and the main control board.
- Created libraries for Rotary Encoder, Infrared Sensor, and Load Cell on Teensy using mbed and Arduino.
- Assembled the electrical part of the rover which included the sensors, motors, control board, and batteries.

AWARDS & ACHIEVEMENTS

NYU Inter-Residence Hall Council, Advocacy Committee Award: Awarded to individual with outstanding contribution in IRHC Advocacy Committee (2023)

NYU Tandon Dean's List: Awarded to matriculated undergraduates that achieve a term GPA of 3.4 or higher in each term (2022 – 2023)

Machine Learning Specialization Certificate: Coursera course completion certificate on Machine Learning Specialization, which covers basic concepts in Machine Learning (2024)