

Shihang(Victor) Wei

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Education

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

Expected May 2026

Bachelor of Science, Computer Engineering

Course: Object Oriented Programing, Data Structure and Algorithm, Circuit, Discrete Math

Intro to Programming and Problem Solving

GPA: 4.0

Skills

Python, C++, SwiftUI, HTML, CSS, JavaScript, Git, MATLAB, LaTeX, Latte Art

Experiences and Projects

Member, **NYU Robotic Design Team**

September 2022 - Present

- 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, and soldered components on.
- 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.

Developer, **Personal Portfolio Website** - <https://potatwei.github.io/>

- Designed and developed the personal portfolio website using HTML and CSS.
- Added features like photo gallery and hamburger menu using JavaScript.

Leader, **NYU Rapid Assembly and Design Challenge (RAD)**

September 2022 - December 2022

- Worked as an Electrical Engineer with peers to design, assembly, and construct a weather station that automatic collect and analysis data and control a cloth line.
- Designed the circuit. Coded sensors to join with Raspberry Pi's software. Coded the pi to enable all function.
- Communicated with team members with hardware issues, meetings times, work distribution; Kept the team on schedule.

Designer and Constructor, **Self-Driving Obstacle Detecting Arduino Rover**

June 2023 - September 2023

- Designed an Arduino Car with infrared sensors, ultrasonic sensor, infrared receiver that can be controlled using a controller or self-drive. In self-driving mode, the rover can detect obstacle using by turning the sensors to multiple directions.
- Constructed the rover by wiring sensors to the Arduino and fixing them on 3D printed parts.
- Programmed the Arduino that enable the rover to move by itself and controlled by a controller.

Operation Attendance, **NYU Athletics**

September 2022 - Present

- Oversee the gym and maintained a welcoming and safe environment for patrons. Recorded patrons count and temperatures.

Extracurricular and Leadership

President, **MOCHA Student Hall Council**

September 2023 - Present

- Elected as the president of student hall council. Held executive meetings for council directors in two Brooklyn halls.
- Represented Brooklyn Halls in the university's IRHC meetings in various committees.
- Held General Assembly meetings for floor representatives and RAs. Lead students and council directors and created welcoming and inclusive events.

Honors and Awards

Dean's List

2023

National Honor Society

2020 - 2022

Nominee Prize in China Final, FBLA(High School)

Spring 2021