**Ming Lin**

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**OBJECTIVE**

Student at Stevens Institute of Technology 23’ pursuing a co-op position in the field of mechanical engineering to explore careers in the field.

**EDUCATION**

**Stevens Institute of Technology**, **Hoboken, NJ** May 2023

**Bachelor of Engineering**: **Mechanical Engineering**

**GPA:** 3.4

**Awards:** NJIC Sportsmanship Scholarship, Edwin A Scholarship

**Course works:** Engineering Design I-II, Engineering Graphics, Intro to Programming, Mechanics, Biology and Biotechnology, Chemistry, Calculus I-II, Writing and Communication, Intro to Entrepreneurship, Engineering Experiences

**SKILLS**

3D Printing, SolidWorks, MATLAB, LabView, C++, Python, G-code, Microsoft Offices, CAD Design, Windows 10, Mac OS, CPR Certified, First Aid Certified, Fluent in Mandarin

**PROJECTS**

**3D Printing, Raspberry Pi, Arduino** Dec 2018 - Jan 2019

Creality Ender-3 3D Printer Modifications

* Utilized **3D printing** and **CAD** to 3D print parts and upgrade overall mechanical functionality.
* Used an **Arduino** Uno bootloader capabilities, to upgrade the firmware to open-source Marlin-based software to decrease the fire hazard as well as overall modularity.
* Used a **Raspberry Pi** 3B to improve Wi-Fi based capabilities, gaining the ability to control as well as monitor printer functions using a server-based GUI called Octoprint in real-time.

**Engineering Design Term Projects** Sep 2018 - Dec 2018

* Used an Arduino Wemos Chips, Ultrasonic Sensors, DC Motors, and multiple machining tools to create an autonomous robot with the ability to dodge obstacles and navigate a course hitting four targets and returning to original position.

**EXPERIENCE**

Zimmer Biomet May 2019 - Current

**Quality Engineering Co-op, Fair Lawn, NJ**

* Responsible for assuring products conform to establish requirements and standards through inspections and appropriate internal audits
* Contributed to the continuous improvement of the facility by formulating procedures, specifications, and standards for products and process. As well as developing and implementing **CAPA** plans.

Stevens Institute of Technology, Department of Mechanical Engineering August 2019 - Current

**Teaching Assistant, Hoboken, NJ**

* Taught the foundations of 3D modelling and spatial skills by utilizing **Solidworks** tools, assemblies, and drawings.
* Educated students on how **CAD drawing** are to be structured in such a way it can be utilized to express creative design ideas.

Stevens Institute of Technology, Department of Mechanical Engineering Jan 2019 - May 2019

**Research Assistant, Hoboken, NJ**

* Created a structured light 3D scanner that constructs 3D images from processing data that is taken from the camera and projector.
* Utilized **MATLAB** toolboxes such as **image processing** and **computer vision** to process data and calibrate the camera and project to detect real-world dimensions.

**ACTIVITIES**

Co-founder of Stevens Solar Car Mechanical Team, Captain of Secaucus High School Cross Country and Track and Field Team, United States Naval Academy Summer Seminar, Kappa Sigma Fraternity Brother

**US Citizen ­| Currently Available**