

Jacky Chen

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Objective:

I am currently seeking engineering internships and Co-op opportunities for the Fall of 2023.

Education:

Rensselaer Polytechnic Institute (RPI) Troy, NY

August 2022 – May 2025 (Expected)

Bachelor of Science in Mechanical Engineering, Dean's Honor List 2023, GPA: 3.87

Relevant Courses: Intro to Engineering Design, Engineering Process, Python, Strengths of Materials, Thermodynamics, and Engineering Dynamics

The City College of New York (CCNY) New York, NY

August 2021 – May 2022

Major: Mechanical Engineering, GPA: 3.62

Skills:

Technical: Knowledge of C#. Proficient in Python, SolidWorks, Arduino IDE.

Other: Certified in HTML, CSS, and JavaScript for Web Development

Machining: Lathe, Vertical Mill, Horizontal Mill, Basic Plastic, Drill Press and Metal Welding.

Basic: Nx, C++, Laser cutting

Experience:

GOESR Hackathon, Virtual - <https://www.goes-r.gov/users/hackathon.html>

9/2021 - 9/2021

- In a team of four, we collaborated to create an app that converted a 2D satellite image into a 3D printable file in the span of 2 days.

Projects:

RoboGrow, RPI - [Robo Grow Website \(unhelpfulbot.github.io\)](https://unhelpfulbot.github.io)

2/2023-4/2023

- Helped with designing the cart and track with teammates using Nx and operated the laser cutter to cut the part.
- Created the code for the Arduino board to take data from the sensor and operate based on the conditions with teammates.
- Designed the RoboGrow website using: JQuery, JSON, HTML, CSS, and JavaScript

Marshmallow Launcher, RPI

1/2023 – 2/2023

- Worked as a team to create an accurate marshmallow launcher using PVC pipe, springs, laces, and wood.
- Used Solid Works to create the design of the launcher and machinery to cut the part into size.

Personal Website, Personal - <https://unhelpfulbot.github.io/Website/MyWebsite.html>

9/2022 – 12/2022

- Created a website using technical skills: HTML, CSS, JavaScript, JQuery, and JSON
- Currently making a new website with a better design: <https://unhelpfulbot.github.io/index.html>

Cannon – Engineering Processes, RPI

8/2022 - 11/2022

- Created a toy cannon using all of the listed machining skills.

Discord bot and Website Creation, Personal - **Web:** <https://dmvlastday.unhelpfulbot.repl.co>

8/2022 - 8/2022

- A discord bot made with python to make daily reminders and respond based on reactions, to determine who has arrived.
- The website was made in 2 hours to just display simple messages and images.

Game Creation (TerroRise), Personal - <https://play.unity.com/mg/other/terrorise-game>

4/2022 - 6/2022

- Learned how to use Unity 2D tools more effectively and create more general script that can be applied to multiple objects.

Game Creation (Upon Them), Personal - <https://play.unity.com/mg/other/upon-them-v1-0>

1/2021 - 2/2022

- Learned Unity2D tools and C# to create the fundamentals for a game.

Activities:

Robotics Club