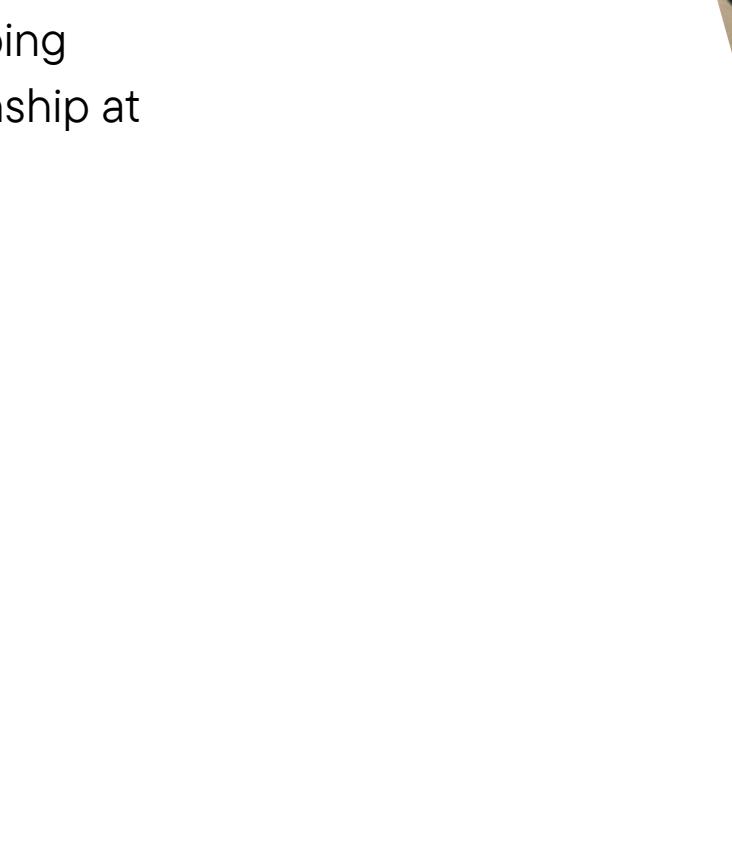


Qing Yi Chen

PORTFOLIO

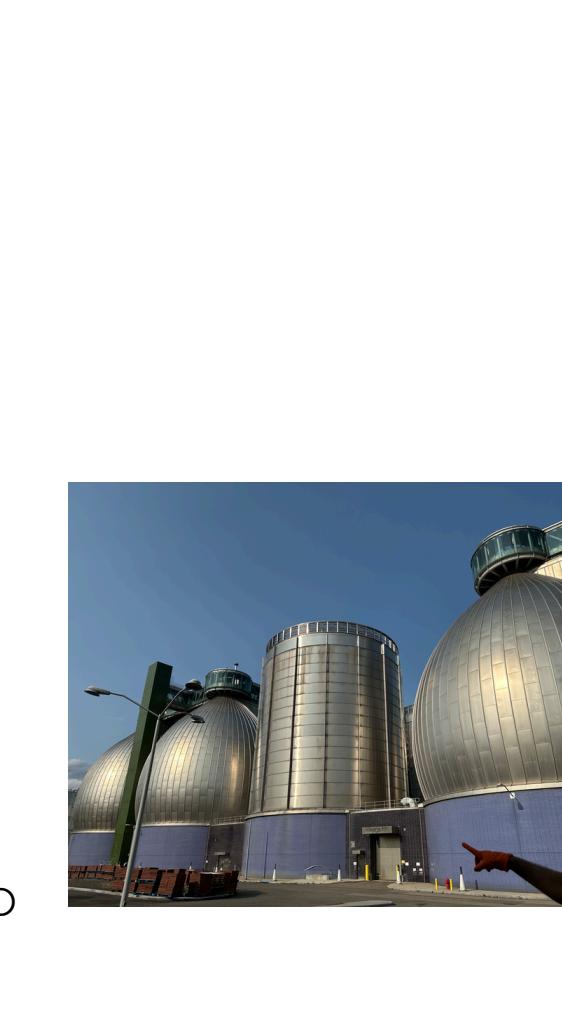
Mechanical Engineering BS, Cornell University '27

ABOUT ME



02

I am a first-generation junior year college student studying Mechanical Engineering at Cornell University and expected to graduate in May 2027. I have a honed background in technical project team experience, thermoelectric and prototyping undergraduate research, an asset management internship at NYC DEP, and a long history of peer mentorship.



WORK EXPERIENCE

Experience

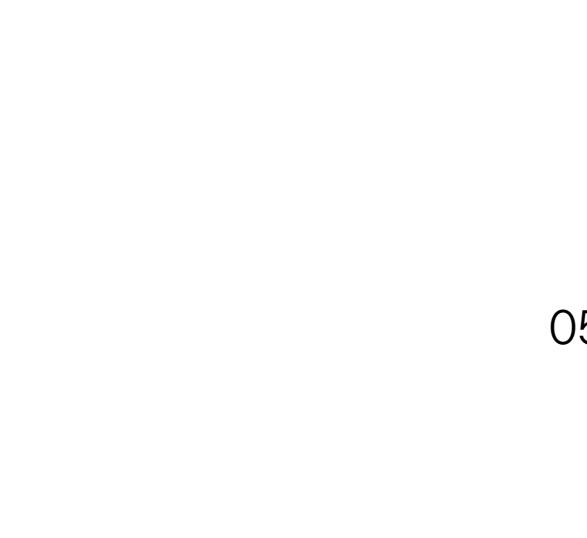
- HYPERLOOP PROJECT TEAM
 - STRUCTURES SUBTEAM (2023-PRESENT)
 - NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION (NYC DEP)
 - ASSET MANAGEMENT SUMMER COLLEGE INTERN (SUMMER 2025)

Research

- CO-GEN ZT RESEARCH GROUP
 - THERMAL/ANSYS AND BODY STRUCTURES SUBTEAMS (2025-PRESENT)

Campus Activities

- CORNELL COLLEGE OF ENGINEERING PEER ADVISOR
- THERMODYNAMICS GRADER
- INTRO TO MECHANICAL ENGINEERING GRADER
- QSTEM
- GUIDING EYES FOR THE BLIND



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SKILLS & EXPERTISE



CAD, FEA, CFD

- SolidWorks
- Autodesk Fusion 360
- ANSYS
- OnShape

Technical

- 3D Printing
- Laser Cutting
- Drafting
- Prototyping
- Machining

Coding Languages

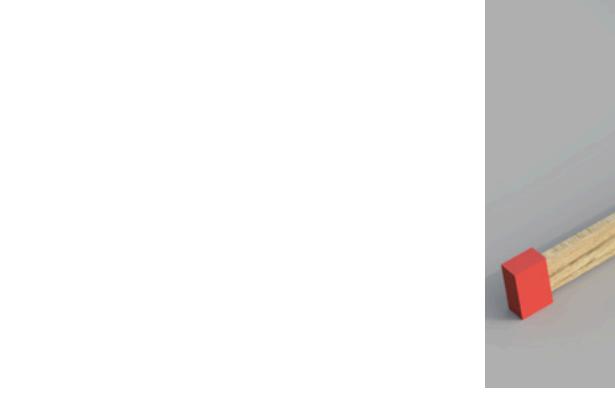
- Python
- MATLAB
- Java

Other

- Microsoft Office (Excel, Power BI, Word, PowerPoint)
- Google Suite
- Confluence
- LaTeX

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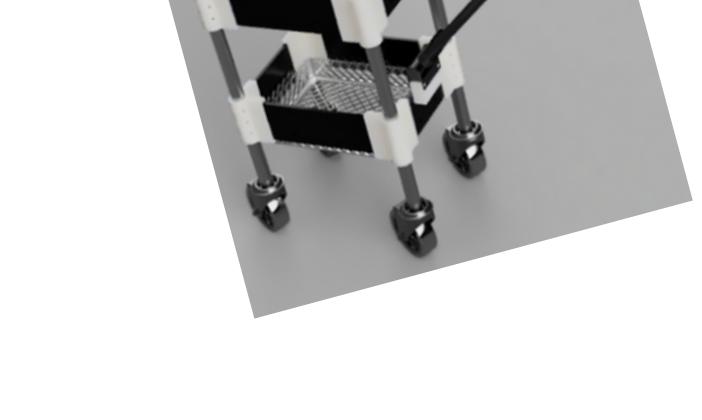
MY WORK



Battery Pack Enclosure
CORNELL HYPERLOOP PROJECT TEAM



Thermoelectric Solar Furnace
CO-GEN ZT RESEARCH GROUP

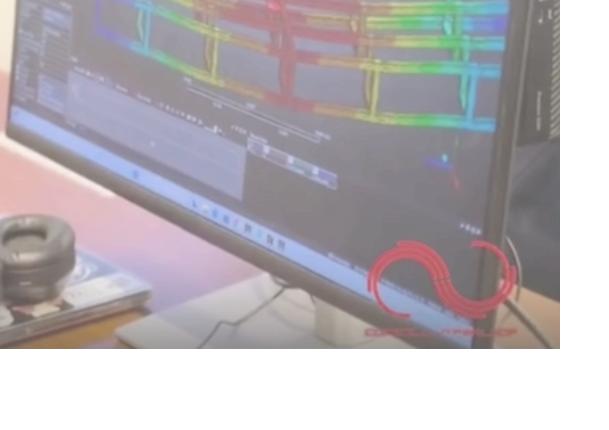
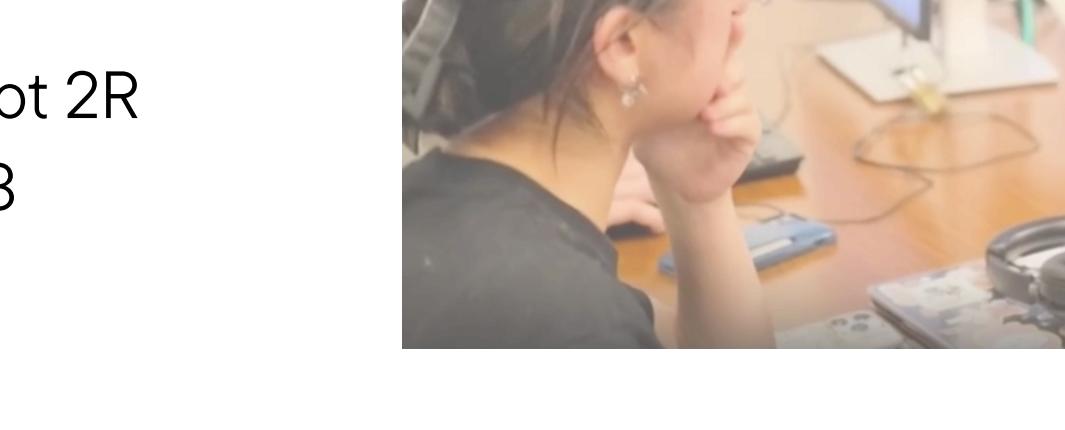


6.5ft long Aluminum Chassis
CORNELL HYPERLOOP PROJECT TEAM

OTHER WORK

A SAMPLE OF RENDERS OF CADS I'VE PRODUCED FOR ENGINEERING COURSES AND PROJECTS

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