



TED YEE

MECHANICAL ENGINEERING STUDENT



CONTACT

NAME Ted Yee

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PORTFOLIO tedyee114.github.io/websites

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ADDRESS Boston, MA, USA

SKILLS

CAD&DRAFTING

Manual (Pencil & Paper)

AutoCAD (& SCivil 3D)

SolidWorks (CSWA Passed)

SketchUp

Blender Modeling & Animation

CODING

Python, AutoLISP



SQL, HTML/KML



Git/GitHub



SOFTWARES

Global Mapper (GIS)

QGIS (GIS)

Atlassian (JIRA, Confluence, Slack)

Adobe (Ai, Ps, Pr)

SHOP SKILLS

Woodworking

Hand Lathe

Power Tools

Soldering

Basic Instron Failure Analysis

CUSTOMER SERVICE

Technical Issue Support

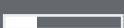
Food Service POS

LANGUAGES

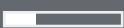
Spanish



Greek



Japanese



EXPERIENCE

CAD/GIS/AI ENGINEERING INTERN at Airworks Inc.

JAN 2023 /
present
(coop, then
part time)

- Drafted geospatial surveys from aerial imagery and 3D pointclouds for daily client delivery
- Prepared mass data inputs from for AI computer vision training via object tracing for data mask generation
- Engaged customer issues, external vendors, and internal sales and software teams
- Independently undertook automation of day-to-day AutoCAD, file-handling, and GIS processes via scripting in self-taught LISP, Python, and software-specific language, tracked with git
- Updated onboarding, knowledgebase, drafting template and standards, internal software and hardware access regularly

BIOMEDICAL DEVICE DESIGN for Engineering Class Project

2021

- Designed and prototyped wearable tech exercise sleeve using electromyography to alert patient before muscle overstraining, with team of 5
- Headed electronics design and construction and Bluetooth scripting and decryption via SolidWorks, Arduino, MATLAB
- Published in American Society for Engineering Education conference

LUTHIERY PROJECT for Independent Project

2018

- Designed and independently constructed functioning violin from scratch using hand tools, trial and refinement process

FOOTBRIDGE CONSTRUCTION for Eagle Scout Project

2017

- Organized 150 volunteer-hours, design materials, and construction of 5.5m wooden walking and snowmobile bridge for high school trail

FOOD SERVICE SUMMER JOBS

2020 / 2022

1. The Terrace Café at The Mount: Edith Wharton's Home, 2020-2021
 2. La Patisserie Café Lenox, 2022
 3. Frankie's Italian Ristorante 2022
- Collaborated with 2-10 others to serve, clean, handle food, and organize orders, inventory, and transactions during peak seasons

EDUCATION

2021 / 2025

Candidate for BS Mechanical Engineering

Northeastern University - Boston, MA

International Affairs Minor

3.9 GPA, Dean's List

2021 Semester at American College of
Thessaloniki - Greece

2017 / 2021

Lenox Memorial High School - Lenox, MA

4.18 GPA, National Honors Society

DAR Good Citizen Award, Eagle Scout

2018 Year at Ashburton College - New Zealand

PASSIONS

NORDIC SKIING

Founder and captain of university racing and recreational team

RUNNING

Qualified for 2024 Boston Marathon
Northeastern University Running Club

ANIMATION

Blender mesh modeling, keyframe rigging and rendering