



# TED YEE

MECHANICAL ENGINEERING STUDENT



## CONTACT

NAME Ted Yee  
MOBILE +1 (413) 412-2746  
PORTFOLIO [linkedin.com/in/ted-yee](https://www.linkedin.com/in/ted-yee)  
EMAIL [yee.t@northeastern.edu](mailto:yee.t@northeastern.edu)  
ADDRESS Boston, MA, USA

## SKILLS

### CAD&DRAFTING

Manual (Pencil & Paper)  
AutoCAD (& SCivil 3D)  
SolidWorks (CSWA Passed)  
SketchUp  
Blender Modeling & Animation

### CODING

Python, AutoLISP   
C++, 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 paper: <https://peer.asee.org/40416>

### 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