ted yee.

Mechanical Engineer, E.I.T.

FIND ME

Ted Yee
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WHAT I KNOW

CAD&DRAFTING
Pencil & Paper
AutoCAD (Civil 3D)
SolidWorks (CSWA)
SketchUp
Blender Modeling & Animation

CODING
Python, AutoLISP, MATLAB
SQL, HTML/KML
Git/GitHub

SOFTWARES
GIS (GlobalMapper, QGIS, ArcGIS)
CFD (ANSYS Fluent/MATLAB DNS)
Atlassian (JIRA, Confluence, Slack)
Microsoft, Google Suites
AWS, Adobe Suites

SHOP SKILLS
Woodworking
Hand Lathe
Power Tools
Soldering
Basic Instron Failure Analysis
Basic DFM
Basic MIG Welding

CLIENT/VENDOR RELATIONS
Technical Issue Support
Food Service POS
Conference Networking
Field Work
Bid/Notice/Records/O&M Writing

MISC
Learn languages quickly
Animation/Rendering/Graphic Design

EXPERIENCE

WATER ENGINEERING INTERN,
Wright-Pierce Environmental Engineering Spring 2024
- ❖ Conceived, designed, and coded portal to access AI services for mass data entry
- ❖ Technical writing for client reports, official records, public notices, bid specifications, templates, cost estimates
- ❖ Interpreted official records, legal codes, local publications for system design and client and public guidance
- ❖ Coordinated with clients, vendors, and industry peers at conferences, field work, project meetings, and new technology evaluations
- ❖ Absorbed industry skills in calculation, modeling, costs, city-wide inventories, and treatment processes

CAD/GIS/ (AI) ENGINEERING INTERN,
Airworks Inc 2023
- ❖ Drafted geospatial feature extraction surveys from aerial imagery and 3D pointclouds for daily client delivery
- ❖ Trained computer-vision AI models by QC'ing labels on mass data inputs
- ❖ Engaged requests from customers, sales and software teams
- ❖ Continuously updated onboarding, knowledgebase, standards, drafting template
- ❖ Automated AutoCAD and GIS processes with self-taught AutoLISP, Python, Global Mapper Script coding languages

WIRE STRANDER CAPSTONE PROJECT
Northeastern University
- ❖ Worked with team of 5 to develop project management, reporting, and organization practices during iterative product design
- ❖ Designed and manufactured benchtop machine that creates twisted cable feedstock for use with Wire Arc Additive Manufacturing (WAAM). Feedstock of various metals melt into custom alloys during deposition, particularly High Entropy Alloys (HEA's).
- ❖ Spearheaded electrical, power, safety, and UI systems and drove alloy analysis procedures

PASSIONS

NORDIC SKIING
Founder and captain of university racing and recreational team

RUNNING
Boston Marathon qualifier twice
Competed for Collegiate Club

WHAT I LEARNED

BS Mechanical Engineering & EIT License
- ❖ Northeastern University - Boston, MA
- ❖ 2021 – 2025, 3.9 GPA
- ❖ Study abroad – American College Of Thessaloniki, Greece
- ❖ Study abroad – Ashburton College, New Zealand
- ❖ International Affairs Minor

- ❖ **Eagle Scout**