

Isabelle Frank

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EDUCATION

Wentworth Institute of Technology | Boston, MA

Expected August 2022

Bachelor of Science in Mechanical Engineering

GPA 3.2

Minor in Applied Math

Related Courses: Engineering Calculus I and II, Differential Equations, Multivariable Calculus, Circuit Theory and Applications, Fundamentals of CAD and CAM, Engineering Physics I and II, Statics, Engineering Graphics, Mechanics of Materials, Design of Machine Elements, Thermodynamics I and II, Engineering Fluid Mechanics, Linear Algebra and Matrix Theory, Probability and Statistics, Engineering Heat Transfer, Dynamics, Materials Science

ENGINEERING PROJECTS

Truss Project: Created a truss structure to determine the maximum load based on the locations of each support and materials utilized

Solidworks FEA: Utilized Solidworks to perform a finite element analysis to visualize the stress concentrations at different points on a structure

EXPERIENCE

Assistant Project Manager Co-op

September 2021-Present

TG Gallagher | Waltham, MA

- Process submittals and RFIs while communicating with project team based on needs of job
- Generate purchase orders, change proposals, and subcontracts
- Manage project documents while visiting various job sites

Sales Engineer Co-op

Direct Expansion Solutions | Peabody, MA

January 2021-April 2021

- Prepare and quote HVAC systems along with preparation of submittals and selection reports
- Design HVAC systems based on custom needs of engineer
- Execute takeoffs and review HVAC plans, schedules and bid documents

Schumann Fitness Center | Boston, MA

Academic Year 2018, 2020

- Oversee students and faculty entering and utilizing fitness center as well as ensuring safety

Peer Tutor | Boston, MA

2019-Present

- Tutor Calculus I and Physics I two days a week in small groups and 1:1 sessions

Skyzone Trampoline Park | Deer Park, NY

2018-Present/Seasonal

- Provide quality and streamlined customer service to patrons in a busy and loud atmosphere

Athletics Event Staff | Boston, MA

2018-Present

- Accommodate fans at Wentworth sporting events by providing rosters and giving directions
- Record games for the live stream

Self Employed Tutor | Dix Hills, NY

2017-Present/Seasonal

- Provide academic assistance to students from elementary school to high school
- Worked 15+ hours per week while a high schooler taking college level courses with many extracurriculars

LEADERSHIP/ACTIVITIES

Wentworth Softball Team

Member 2018-Present

- Balance full-time academic schedule while being collegiate athlete; dedicate 20 hours per week to practice, games, travel, and conditioning

President/ Founder of WITJC (Wentworth Jewish Club)

2019-Present

- Started the WITJC to represent the Jewish community on campus and help educate student body.
- Manage weekly meetings, attend campus wide cultural club and diversity meetings to exchange ideas

Volunteer Softball Coach

2019-Present

- Coach at the hometown little league; empower girls to be athletes and learn a new sport

Student Athlete Advisory Committee

Member 2019-Present

National Honor Society, National Art Honor Society

Member 2017-Present

AP Scholar with Honor

2018-Present