

Joseph Shneyderman

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Education

Northeastern University Exp. Graduation: May 2024 *College of Engineering* GPA- 3.823

- B.S. Mechanical Engineering
- Coursework completed: Physics 1-2, Calc 3,
- Coursework in progress: Thermodynamics, Statics, Material Sciences
- Extracurricular activities: Northeastern Electric Racing - Drivetrain

North Andover High School 2016-2020 GPA - 4.48

- AP Calculus BC, AP Physics, AP Biology
- Honors Band, Pep Band, Cross Country and Track and Field, National Honors Society, German NHS

Skills

Languages: C/C++, Python

Skills: Arduino, Robotics, CAD, Microsoft Office Suite, SolidWorks, MATLAB, 3D-Print experience, Linux

Interpersonal Skills: Leadership, eager learner, team worker

Projects

AerospaceNU- Learned about rocketry and designed a liquid fueled rocket engine, using kerosene and liquid oxygen as fuel/oxidizer. In the process of building the engine.

Northeastern Electric Racing – Helped design test cases for the differential to make sure that the material used on the casing would not degrade in use.

Audi Motor Replacement - Fixed an Audi from a non-running state to street legal car. Replaced motor and other failing components of the vehicle. Worked with a friend to repair the vehicle with self-learned knowledge without the assistance of a professional mechanic.

Robot- Designed and built a robot using Arduino to take an order, follow a line and deliver food to customers, essentially a robotic waiter for restaurants.

Volunteer Experience

German National Honors Society - 2019-2020

- Helped teach/tutor middle school students the German language.
- Co-president of the German National Honors society, organizing many community-based volunteering opportunities

Work Experience

Panini Pizza Co. – Middleton MA Delivery Driver/Cashier 2018-2020

- Was a delivery driver and cashier for a small business in Middleton MA for 2 years, had to work with and communicate with many different people.
- Worked around language barriers as some employees spoke little English.

DEKA R&D Kiwi Project– Manchester NH, Data Collection Specialist 2021-Present

- Worked on a team to collect and curate data for machine learning
- Helped assemble testing machines to gather data and test hardware
- Used Python to automate tasks