SEAN SULESKI

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EDUCATION

Northeastern University | May 2025 | Boston, MA

Candidate for Bachelor of Science in Mechanical Engineering, Minors in Psychology and Mathematics
GPA: 3.944
Honors: University Honors Program, Dean's Scholarship Recipient, Dean's List
Relevant Courses: Fluid Mechanics, Dynamics, Measurement & Analysis, Mechanics of Materials, Material Science, Electrical Engineering, Thermodynamics, Statics, Differential Equations & Linear Algebra, Calculus 2-3, Physics 1-2, Chemistry
Activities: Club Running, Generate (Product Dev.), Forge (Product Dev.), American Society of Mechanical Engineers

Enfield High School | June 2020 | Enfield, CT

Honors: Valedictorian, Math Department Scholar, Tri-M Music Honor Society (Treasurer), National Honor Society

SKILLS

Hardware/Modeling

Arduino	FDM 3D Printing	OnShape
Soldering	SolidWorks	AutoCAD

Software/Programming

Java	Python	HTML/CSS	Microsoft Suite
C++	MATLAB	JavaScript	Adobe Suite

EXPERIENCE

Archimedic | Engineering Co-op | Waltham, MA

Jul - Dec 2022

- Designed an applicator pad subassembly through an iterative process of rapid prototyping with foamcore, plastic inflatables, and foam that was incorporated into a human factors study for a wearable lung cancer treatment.
- Inspected, assembled, and tested 100 tissue storage devices while following quality system procedures, and wrote reports confirming the product was ready for the next phase of development.
- Modified SolidWorks models for dental bone grafts that were approved by the client and used within a patent diagram.

Camp Overflow | Brand Designer (campoverflow.com) | East Otis, MA

Jul - Aug 2021

- Developed the website with WordPress and custom HTML/CSS to modernize the internet presence of the business and provide up-to-date information to current/prospective campers.
- Designed a modern logo using Adobe Illustrator for display on the website and products such as hats, shirts, and stickers.
- Created a responsive wireframe with Adobe XD for use as a visual guide in the development of the website.

PROJECTS

Forge (Product Development Club) | Product Lab Team Member | Boston, MA

Fall 2021 & Fall 2022

- Brainstormed a list of problem statements with 5-person team, and sketched possible solutions to convey ideas visually.
- Modeled a UV sanitizer box for brass mouthpieces using SolidWorks, following principles of DFM to 3D print individual components and DFA to assemble the printed components with off-the-shelf parts.
- Connected various electrical components with wire-to-wire soldering and programmed an Arduino in C++, leading to an intuitive user interface with the intended functionality.

Cornerstone of Engineering (Class Project) | Project Lead | Boston, MA

Spring 2021

- Led a virtual escape room project with 6 peers by conducting weekly meetings, communicating deadlines, and providing a long-term vision for the project, for which the group was awarded an A – a feat only 1 out of 16 other groups achieved.
- Arranged a flowchart synthesizing various puzzles made by team members to develop a storyline and sense of progression for the escape room.
- Built a Wix website as a virtual medium for the escape room, maximizing accessibility and ease-of-use for peer testing.