SEAN SULESKI

39 MILLMONT STREET, BOSTON, MA 02119 | 860-895-7212

suleski.s@northeastern.edu
linkedin.com/in/seansuleski
seansuleski.com

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: Generate Product Development, Forge Product Development, ASME, Club Running

Enfield High School | June 2020 | Enfield, CT

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

EXPERIENCE

Archimedic | Engineering Co-op | Waltham, MA

Jul - Dec 2022

- Prototyped an applicator pad for a wearable lung cancer treatment incorporated into a human factors study of 20+ people.
- 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.
- Contacted manufacturers to gain information about flow meters for a feasibility study about IV infiltration detection.
- Presented research about manufacturing methods for endotracheal tubes to explain the process to a client.

Generate Product Development | Hardware Engineer | Northeastern University

Jan 2023 - Present

- Collaborate with a multidisciplinary team of engineers to meet a client's deliverables by the end of the semester.
- Manufacture parts using CNC machines, hand tools, and power tools to cut costs and eliminate lead time from outsourcing.
- Maintain relations with machine shop manager to create a strong reputation as Generate builds its in-house capabilities.
- Design parts and fixtures using Onshape incorporating engineering principles and theory to ensure functionality.

Forge Product Development | Product Lab | Northeastern University

Fall 2021 & Fall 2022

- Brainstormed a list of problem statements with 5-person team, and sketched possible solutions to convey ideas visually.
- Modeled parts with SolidWorks, following principles of DFM to 3D print individual components and DFA to assemble the printed components with off-the-shelf parts.
- Soldered electrical components and programmed an Arduino in C++, leading to an intuitive and functional user interface.

PROJECTS

Hot Date Kitchen | Generate Product Devolopment

Spring 2023

- A second-iteration date-cutting machine with goals of tripling production speed, streamlining the cleaning process, and ensuring all materials and processes are food safe.

Mouthpiece Mate | Forge Product Devolopment

Fall 2022

- A UV sanitizer box for brass mouthpieces aimed at improving healthy cleaning habits for beginner musicians.

Archetype | Forge Product Devolopment

Fall 2021

- An assistive keyboard for people with rheumatoid arthritis designed to minimize requirements of fine motor movement.

Camp Overflow Website and Logo Design | Camp Overflow | campoverflow.com

Summer 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.

SKILLS

Modeling: SolidWorks, HSMWorks, Onshape
Hardware: FDM/SLA 3D printing, CNC machining, Arduino, Soldering, hand tools, and power tools.
Software/Programming: C++, Python, MATLAB, Java, Microsoft Suite, Adobe Suite