VICTORIA BERRY

Boston, MA | berry.v@northeastern.edu | (617) 653-5166 | linkedin.com/in/victoria-a-berry | Portfolio |
Availability: May-December 2026

EDUCATION

Northeastern University, College of Engineering: 3.6/4.0   Boston, MA
Master of Science in Mechanical Engineering, Mechanics/Design Concentration (PlusOne)   Expected May 2029
Bachelor of Science in Mechanical Engineering, Minor in Mathematics   Expected May 2028
Notable Courses: Advanced Mechanics of Materials, Mathematical Methods for Mechanical Engineers, Thermodynamics, Fluid Mechanics, Material Science, Statics

SKILLS AND CERTIFICATIONS

SolidWorks Certifications: Certified SolidWorks Associate (CSWA), Additive Manufacturing, Electrical Design
Software: SolidWorks, MATLAB, C++, OpenRocket, AutoCAD, Microsoft Office (Word, Excel, PowerPoint)
Fabrication & Technical Skills: 3D-Printing, Laser Cutting, Epoxy, Drilling, Manual Assembly, Data Analysis
Special Interests: Rocketry, Technical Sketching, Prototyping, 3D-Printing, Taekwondo, Crochet, Flute

PROJECTS

Guppy V2 RC Trainer Plane, Fixed-Wing Group   Jan 2026 – Present
Northeastern University, AerospaceNU   Boston, MA
- Design rudder component in SolidWorks for lightweight RC trainer aircraft
- Contribute to aerodynamic design decisions and fabrication planning through weekly team collaboration

RC Plane Landing Gear   Dec 2025 – Jan 2026
Personal Project
- Designed telescoping shock absorber system with spring rate calculations and structural load analysis for 3G landing impacts (Report)
- Applied DFM/DFA principles to create optimized CAD models in SolidWorks with verified dimensions and safety factors

RocketWorks, Airframe Group   Sep – Dec 2025
Northeastern University, AerospaceNU   Boston, MA
- Designed and built 6-foot rocket with expected apogee over 1000 meters and max acceleration of 200 m/s^2
- Led fabrication process through precise measurements, cutting, drilling, and epoxy application, while collaborating on SolidWorks design, OpenRocket simulations, and ejection testing with team of 5

Senselink (Communication Board for Children with Speech Deficits)   Jan – Apr 2025
Northeastern University College of Engineering   Boston, MA
- Designed 10-button communication device for non-verbal children using SolidWorks, 3D printing, laser cutting
- Redesigned casing with laser-cut components and integrated Arduino for customizable interface

EXPERIENCE

Program Coordinator & Office Assistant   Jun 2024 – Aug 2025
Northeastern University Center for STEM Education, Young Scholars' Program   Boston, MA
- Coordinated 6-week summer research program for 27–33 rising high school seniors, managing logistics, scheduling, and communication between students, faculty, and staff (Jun–Aug 2024, 2025)
- Managed application review, admissions coordination, and program correspondence (Jan-Jun 2025)
- Provided individualized feedback on research presentations and produced outreach materials to promote student work

Assistant Researcher   Sep 2024 – Apr 2025
Northeastern University College of Engineering, Augmented Cognition Lab   Boston, MA
- Developed computer vision dataset for infant health monitoring by annotating 200 images and analyzing 10,000 visual data points to identify and document algorithmic performance issues
- Evaluated commercial AI baby monitors against research objectives and presented technical findings to graduate researchers