

# ANDREW E. HEDBERG

860.919.6880      andrewhedberg.com  
hedberg.a@northeastern.edu      linkedin.com/in/andrew-hedberg

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## EDUCATION

**Northeastern University**, College of Engineering, Boston, MA May 2026  
Candidate for Bachelor of Science in Mechanical Engineering and Design GPA: 3.12

*Relevant Courses:* Cornerstone of Engineering I-II, Material Science, Statics, Physics I-II, Calculus I-IV, Chemistry, Thermodynamics, Mechanics of Materials, Prototyping with Code, Design Perspectives, Processes and Practices

*Activities:* American Society of Mechanical Engineers, Northeastern Robotics Club, NU Intramural Basketball

**American College of Thessaloniki**, Thessaloniki, Greece Sept. – Dec. 2022  
N.U.in Program (Study Abroad)

*Activities:* Administration/Finance Chair, Community Council; Founder, Billiard's Club

**Lyme-Old Lyme High School**, Old Lyme, CT June 2022  
High School Diploma GPA: 3.85

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## SKILLS

- *Applications:* SolidWorks (CSWA Certified); AutoCAD; Revit; C++; MATLAB; Java, Microsoft Office
- *Machining:* CNC Lathe and Milling Machines; Woodworking; Laser Cutting; 3D Printing; Soldering
- *Designing:* Sheet Metal, Extrusion, DFM/ DFA; FA; FEA; GD&T

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## CO-OP WORK EXPERIENCE

**Mechanical Engineering Product Dev. Co-op**, Product Insight, Inc., Boxborough, MA Jan. 2024 – June 2024

- Designed, tested and fabricated components to improve thermal dissipation of PCBs, DMDs, and LEDs.
- Responsible for designing cases for human presence detection radars, PCBs, accelerometer and light sensors.
- Collaborated with vendors to machine highly accelerated life testing fixture utilizing FEA to prepare drawings.
- Oversaw laser-cutting, 3D-printing, and rapid prototyping techniques for entire mechanical engineering team.

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## OTHER WORK EXPERIENCE

**Resident Assistant**, Northeastern University, Boston, MA Aug. 2023 – May 2024

- Serve as a role model, peer counselor, resource, advocate, and community builder for residents.
- Enforce university and residence hall regulations and respond to complaints, reports, and emergencies.
- Plan and promote interactive social and educational programs/ events for residents.
- Manage front desk and sign residents/ guests into residential halls per Residential Security Office protocols.

**N.U.in Alumni Ambassador**, Northeastern University, Boston MA Feb. 2023 – May 2023

- Participated in panel discussions to share my overall global experience in the N.U.in program.
- Promoted Northeastern's N.U.in program to prospective students and their families at admissions events.

**Golf Staff**, Black Hall Club, Old Lyme, CT June 2021 – Aug. 2023

- Opened and closed clubhouse, assisted maintenance and dining room staff, and worked in pro shop.
- Supported golf professionals, members, and guests in various daily operations.

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## ACADEMIC PROJECT

Spring 2023

**Solar Panel Educational Exhibit**, Cornerstone of Engineering II, Northeastern University

- Collaborated and developed educational exhibit to educate high school students on solar panels.
- Created model of exhibit and designed parts using SolidWorks to be 3D printed.
- Integrated and made layout plan for electronics, wiring, and exhibit functionality/ user experience.

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## LEADERSHIP EXPERIENCE

**Lead Mentor**, Roxbury Robotics Club, Northeastern University, Roxbury, MA Jan. 2023 – Present

- Train 6+ new mentors to engage elementary school-aged children in learning engineering and robotics.
- Teach 20+ elementary school-aged children basic engineering principles and the engineering design process.

**Ambassador/ Spokesperson**, Dana Farber Cancer Institute, Boston, MA 2019 – Present

- Share my cancer journey with corporate partners to raise money and awareness for pediatric cancer research.

**Ambassador Agent**, Make It Better (MIB) Agents, Barnard, VT 2021 – Present

- Connect with osteosarcoma patients and their families as a certified peer visitor.

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## VOLUNTEER EXPERIENCE

- *Community Outreach*, Fenway Community Center, Boston, MA Aug. 2023
- *Counselor*, Bible School; *Volunteer*, Masses/Fundraisers, Christ the King Church, Old Lyme, CT 2018 – 2022
- *Survivor/ Spokesperson*, Relays for Life – Connecticut and Massachusetts 2012 – 2018

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## INTERESTS

- Traveling to foreign countries and experiencing new cultures; playing golf; hiking and enjoying the outdoors.