GAVIN O'MARA

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Hardworking student at Stevens Institute of Technology eager to gain experience through internship opportunities.

SKILLS

- Experience with CAD software (SolidWorks, Autodesk Inventor)
- Experience coding (JavaScript, TypeScript, C++, Python)
- Experience with MATLAB, Simscape, Simulink
- Experience building machine learning models

WORK HISTORY

Quanxiom
Software Engineer // February 2025 to September 2025
- Contributing to the development of an innovative business management platform.
- Expanding full-stack development skills by working on both front-end and back-end features

FixIt
Co-Founder // October 2024 to present
- Developed an AI-powered repair assistance app, enabling users to fix broken items independently or connect with professional help.
- Pre-seed stage, actively building relationships with investors and strategic partners to position FixIt for launch.
  - Pitched at Plug and Play, presenting to 150+ potential investors and industry leaders.

Defibtech
Verification and Validation Engineering Intern // Guilford, CT // May 2024 to August 2024
- Automated a testing device for ARM RX chest compression performance validation.
  - Developed software to adjust the fixture using a stepper motor, optimizing efficiency, repeatability, and test accuracy.
  - Developed and programmed an OLED display in C++ to enhance usability.
  - Designed components in SolidWorks and 3D printed prototypes
- Executed test protocols to verify and validate products after software and hardware updates
  - Conducted the User Interface Test Protocol (UITP) to ensure all User Interface on the AEDs were operating properly after software update
  - Preformed Essential Performance Test Protocol (EPTP) to verify a hardware change on the ARM XR fixed pre-existing hall sensor issues

Microboard
Quality Control & Continuous Improvement Intern // Seymour, CT // June 2023 to August 2023
- Reviewed training materials and helped implement a new quality system.
- Collaborated with teams to develop and implement process improvements, enhancing overall workflow efficiency.
- Worked with others in maintaining documentation on process workflows.
- Conducted research on outside providers to ensure they were qualified business partners and certifications were up to standards.

EDUCATION

Bachelor of Engineering - Mechanical Engineering
Stevens Institute of Technology // Hoboken, NJ
Expected Graduation May 2027
- Concentration in AI and ML within ME
- Dean's List every semester
- Member of Launchpad (A very selective entrepreneurship program)
- 3.75 GPA

High School Diploma
Notre Dame High School // West Haven, CT // May 2023
- August 2022- Captain of Varsity Lacrosse
- June 2023- US Lacrosse Academic All-American
- June 2022-2023- 2x Lacrosse SCC All-Conference Team
- June 2023- Lacrosse All-State Team
- November 2022- President of English Honor Society
- May 2022- Basil Moreau Religion Award
- May 2022- Sacred Heart University Book
- Award May 2022- Rotary Club Scholar Athlete
- March 2022- National, Math, Spanish, and English Honor Societies