

Ben Feuer

benjamin.m.feuer@gmail.com | 646-787-5150 | linkedin.com/in/Benjamin-Feuer | benfeuer.com | github.com/B3N101

EDUCATION

University of Michigan Mechanical Engineering	Fall 2026 – Spring 2029
Purdue University – College of Engineering Relevant Coursework: Thermodynamics, Linear Algebra, Calc III, Differential Equations, CAD	2025 – 2026 GPA 3.7
Middlesex School – Concord, MA Honors & High Honors; Matthew S. Brown '03 Prize in Computer Science	2021 – 2025 SAT 1550

EXPERIENCE

Railside Robotics <i>Code Lead & Mechanical Design Engineer</i>	Aug. 2025 – May 2026 West Lafayette, IN
<ul style="list-style-type: none">– Led software development for club projects including a beetleweight arena and autonomous combat robot– Designed and built multiple combat robots (1 lb and 3 lb), including Centurion for UIUC Robobrawl (3rd Place), through rapid design–build–test cycles– Independently developed a personal 3 lb combat robot exploring new materials and weapon systems	
Purdue Space Program <i>Venturi Design Member</i>	June 2025 – Sept. 2025 West Lafayette, IN
<ul style="list-style-type: none">– Designed a cavitating venturi to maintain constant mass flow under varying conditions– Applied incompressible flow analysis and Bernoulli's principle to lander systems	
Middlesex School Robotics Team <i>Co-Founder and Captain</i>	May 2023 – May 2025 Concord, MA
<ul style="list-style-type: none">– Founded FTC Team 24173 (Electric Zebras) from the ground up; led full design–build–test–iterate competition cycle– Led and taught 15 students mechanical design, Java-based programming, and electronics	
Middlesex School Physics Club <i>Co-Founder and Club Head</i>	Sept. 2023 – May 2025 Concord, MA
<ul style="list-style-type: none">– Founded hands-on physics club; led construction of model rockets and a pneumatic t-shirt cannon– Prepared students for the USA Physics Olympiad $F=ma$ exam	

PROJECTS

Middlesex Words Words <i>Software Developer</i>	April 2024 – May 2025
<ul style="list-style-type: none">– Co-developed a proprietary vocabulary learning platform with ~400 weekly active users– Implemented spaced-repetition algorithms to improve long-term retention– Built full-stack application using Next.js, TypeScript, MySQL, and Tailwind CSS	

ACTIVITIES

Purdue Men's Club Ultimate Frisbee <i>Handler, CTRL-Z</i>	Aug. 2025 – May 2026
<ul style="list-style-type: none">– Competed in regional USA Ultimate tournaments– Led additional practices for skill development	
Purdue Stand-Up Comedy Club <i>Member</i>	Dec. 2025 – May 2026
<ul style="list-style-type: none">– Workshopped stand-up comedy material through weekly writing sessions and peer feedback– Performed original stand-up sets at campus open-mic events	

TECHNICAL SKILLS

CAD & Manufacturing: Siemens NX, SolidWorks, Fusion 360, Onshape, 3D Printing
Programming: JavaScript, TypeScript, React, Java, C++, MATLAB, Python, Rust, SQL, Git
Interests: Chess, Arsenal F.C., Ultimate Frisbee, Robotics, Finance, Formula 1