MICAH ANDELMAN

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EDUCATION

University of Maryland, College Park College Park, MD

B.S. Electrical Engineering | Intended Minor in Mathematics | Expected May 2030

- Relevant Coursework: Calculus III, General Physics: Mechanics and Particle Dynamics, Engineering Design

Bedford High School Graduated June 2026

- GPA: 3.7 | SAT: 1530 (Math 790) | Relevant APs: Calculus BC, Physics C: Mechanics, Computer Science A

TECHNICAL PROJECTS

ENES100 Autonomous Vehicle (OTV) Fall 2026

Electrical and software lead, eight-person team | UMD ENES100 class project | Arduino UNO R4 WiFi, C++, GitHub Actions

- Wired the robot and wrote most of its 1,620 lines of C++ firmware, merging teammates' subsystem sketches into one codebase
- One build flag targets both ENES100's browser simulator and the real robot; the route passed 40/40 randomized simulator runs

Brimcam — Calorie/Macro-Tracking Camera Cap Fall 2026

Seeed XIAO ESP32S3 Sense, Gemini API, Telegram

- Designed a camera cap (solo, hardware and software) that photographs dining-hall trays; a Telegram bot names each item and estimates portions, and macros come from UMD Dining's published nutrition facts

Pluto — Personal AI Agent Fall 2026 – Present

Python, Claude Code, Telegram, Google APIs, Fly.io

- Built a personal Telegram agent (Claude Code running headless on Fly.io) that sends morning and evening briefs and a weekly review, and answers on-demand requests
- Wrote its tools for Gmail, Google Calendar, Canvas assignment sync, grade projection, study planning, and live campus-bus routing

EXPERIENCE

Independent Math Tutor 2025 – Present

Bedford, MA

- Tutored students across multiple levels: 7th-grade math, pre-calculus, calculus, and SAT Math
- Managed client scheduling and curriculum independently; maintained a consistent paid client base

SDR/BDR Automation Intern Jun – Aug 2026

CISteks Technology Group, Greater Boston, MA

- Conducted B2B cold outreach and appointment setting for a regional IT managed services provider
- Built automated email outreach workflows, shifting the role from manual cold calling toward a scalable, automation-driven pipeline
- Researched and presented AI voice-calling and compliance requirements (TCPA/FCC) to advise leadership on scaling outbound without regulatory exposure

Technical & On-Site Engineering Support Intern Summer 2024

B2Q Associates, Andover, MA

- Joined senior engineers on site walkthroughs for commercial HVAC energy-efficiency assessments
- Entered and organized field data in Excel spreadsheets used in engineering reports

LEADERSHIP & ACTIVITIES

Terps Racing EV (TREV) — Autonomous Subteam Oct 2026 – Present

University of Maryland, College Park, MD

BuildFest Hackathon — Finalist Fall 2026

Top 5 of 44 teams | Data dashboard for a Maryland mental health nonprofit

Varsity Soccer — Team Captain, Bedford High School Fall 2025

Bedford High School, Bedford, MA

Jewish Student Union — President 2025 – 2026

Bedford High School, Bedford, MA

- Led event planning and community engagement; brought the BHS chapter into the Greater Boston JSU network

SKILLS

Technical: Python, Java, C/C++ (Arduino), Claude Code, Claude API, Google APIs, Schematic capture (CircuitLab)

Other: Mechanical troubleshooting, component-level repair, quantitative analysis