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 Fall 2026

In progress | UMD Engineering Design course, team project | Arduino, sensors, motors

- Writing Arduino control code and wiring sensors and motors for a team-built autonomous vehicle

Calorie/Macro-Tracking Smart Glasses Fall 2026

In progress | Camera glasses, Wi-Fi streaming, iPhone app

- Building DIY camera glasses (leading hardware, with a CS partner) that stream low-res video to an iPhone and capture high-res stills when a food label is detected

Fast Food Nutrition Calculator Summer 2026

Claude Code, Vercel

- Built and deployed a searchable nutrition calculator covering 2,051+ menu items across over 15 fast-food chains, converted official restaurant nutrition PDFs into structured JSON; added fuzzy search, chain filters, and drink modifiers

Mercury — AI Telegram Assistant Fall 2026

Claude Code, Telegram, Gmail / Canvas / Google Calendar APIs

- Built and ran a personal Telegram agent that delivered daily briefings and answered on-demand queries
- Integrated Gmail, Canvas, and Google Calendar so the agent could summarize emails and draft replies

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

BDR/SDR 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

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 (in progress), Arduino, Claude Code, Claude API, Google APIs, Schematic capture (CircuitLab)

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