

Dane Cucinelli

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4th year Mechanical Engineering Technology student with experience in systems design and hands-on fabrication. Interested in using my design and systems integration skills to support engineering projects. Seeking a mechanical engineering internship for summer 2027 and beyond.

EDUCATION

Michigan Technological University, Houghton, Michigan
BS, Mechanical Engineering Technology

Expected December 2027

SKILLS + CERTIFICATIONS

Siemens NX, Onshape, Nvidia JetPack SDK, bash scripting, MATLAB, Data Analysis, Python, MS Office, FAA part 107 commercial drone pilot license, locksmithing, RFID+NFC, soldering, ASE Auto Maintenance and Light Repair, custom E-bikes + batteries + solar installation, machine shop experience (Lathes, Mills, etc.)

WORK HISTORY + PROFESSIONAL EXPERIENCE

General Crew, Rozsa Center for the Performing Arts, Houghton, MI Feb 2024 – Dec 2025, Aug 2026 – Present
Freelance Live Sound Engineer, Houghton, MI Jul 2024

Lab Assistant, Washtenaw Community College Automotive Program, Ann Arbor, MI Jan 2026 – Aug 2026
Set up and maintained shop equipment, automotive tools, shop cars, and collaborated with students and staff to ensure instructional activities were completed; Managed tool inventory

Junior Technician, MTU Sound and Lighting Services, Houghton, MI Apr 2024 – Dec 2025
Access Control Village Nov 2023 – Present

Taught "Red Team" exploits surrounding common physical security vulnerabilities at multiple hacker conventions, including the NMU Cyber Symposium, CypherCon, and DEFCON

Intern, Endectra LLC, Ann Arbor, MI Dec 2021 – Feb 2024
Led drone hardware assembly and flight tests under Air Force Research Lab STTR "Multifunctional Integrated Sensing Cargo Pocket UAS" (Contracts FA865019P2708 & FA864920C0312); supported custom PCB/hardware integration, NVIDIA system commissioning, and rapid prototyping of AI-enabled grid edge energy meters for Utilidata, Inc., leading to \$27M venture capital raise

High School First Robotics Competition Team 5708, Ann Arbor, MI 2020 – 2023
Team Captain 2023
Controls Subteam Lead 2022

LEADERSHIP & INVOLVEMENT

Secretary, Audio Engineering Society @ MTU May 2024 – Dec 2025
• Helped design and currently building the world's largest rotary subwoofer (ongoing project)

Secretary, Linux Users Group @ MTU May 2024 – Dec 2025
• Manage a 6-node Proxmox cluster for virtual machine deployments, and several bare metal machines; helped run weekly meetings.

Head of Events, 91.9FM WMTU Houghton March 2024 – March 2025
• Organize and plan 2-3 live music events per year
• Manage an annual event budget of \$14,000
• Assist other student organizations in hosting events on campus

ACCOMPLISHMENTS

National Cyber League, Individual Game: top 10% nationally, 6th / 45 @ MTU Fall 2023 – Fall 2025
Leading Scholar Commended Finalist Award for academic excellence and leadership 2023 – 2027

INTERESTS

Live Sound • Snowboarding • Drones & Aircraft • Cybersecurity • Amateur Radio • DIY Electric Motorcycles