Miles Provus

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EDUCATION

University of Colorado Boulder – Boulder, CO   Expected Graduation: May 2028
Bachelor of Science in Electrical & Computer Engineering

TECHNICAL PROFICIENCIES

Programming Languages: HTML, C++, JavaScript, Java, Python
Software: AutoCAD, Visual Studio, Altium Designer, Xilinx Vivado
Operating Systems: Mac OSX, Linux, Windows

RELEVANT EXPERIENCE

AHEAD Inc.,   May 2025 – July 2025
Chicago - Design Engineering Intern
- Helped engineers in developing, manufacturing and testing custom systems for customers.
- Created a universal I²C text rendering library for E‑Ink display modules, providing broad hardware compatibility and reducing development time for cross‑platform deployments.
- Assisted in the on-site production of custom rack-mounted servers, aiding in quality control, scripting, and deployment.
- Received daily training from industry experts on various topics, expanding knowledge of machining, company-wide workflow, and customer relations.

Monocle Teleprompter   January 2023 – June 2023
Independent Project – Chicago, IL
- Developed a wearable, hands-free teleprompter device.
- Used an open-source display controlled by an FPGA running a custom Bluetooth protocol and Google's cloud API to control and display slide information on a user's glasses.

Group Project, Introduction to Digital and Analog Electronics   August 2024 – December 2024
Boulder, CO
- Collaborated with a 4-person team tasked with developing a device for a client's physical disability, addressing societal, physical, and economic constraints related to our client's needs.
- Designed custom hardware and device logic for real-time data acquisition and analysis.
- Delivered a fully functional prototype to the client, enabling them to better understand their physical limitations.

LEADERSHIP EXPERIENCE

President, **Highland Park High School Model UN** – Highland Park, IL   August 2023 – May 2024
- Led team of 25+ students to attend competitions, teach diplomatic skills, and display high political understanding.
- Led biweekly meetings to increase the team's speaking skills, better understand current events, and prepare for conferences.

MEMBERSHIPS AND ASSOCIATIONS

Alpha Epsilon Pi – Boulder, CO   August 2024 – Present