

Logan Endes

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Experience

- Jan 2024 – Aug 2024 • **AI Software Engineering Co-op**, *Ecolab AI Accelerator Team*, Saint Paul, MN
- Pioneered the use of **Computer Vision** AI to increase the efficiency of kitchens with an estimated **10x return on investment**.
 - Maintained a **Large Language Model**-powered Copilot used by technicians and employees across the entirety of Ecolab.
 - Collaborated with engineers from Microsoft as part of Ecolab's new AI Accelerator Team.
- Aug 2023 – Dec 2023 • **Student Lab Instructor**, *RIT Department of Computer Science*, Rochester, NY
- Aided students through a lab section each week in learning Computer Science concepts and applying them to different problems using **Python**.
 - Tutored students in **Python** and **Java** problems in the CS tutoring center each week.
- June 2023 – Aug 2023 • **AI Research Intern**, *Brookhaven National Laboratory*, Upton, NY
- Researched the use of **prompt engineering Large Language Models** to make the process of researching medical isotopes more efficient using **PyTorch** and **Hugging Face's Transformers** library.
 - Found that models like LLAMA-2 were able to discern elements necessary in chemical separations, but that more research must be done for discerning specific isotopes needed.

Projects

Fencing Judge AI, *log45/Fencing-Judge-AI*, *Personal Project*

- Researching the best **PyTorch** classification model for CV of live-video feed and training an AI model to accurately score Saber fencing bouts.

AI Notetaker, *log45/Notetaker*, *Personal Project*

- Developing a web application to transcribe recordings into and create notes with a large language model.

Keyboard Design, *log45/keyboard-design*, *Personal Project*

- Designed a keyboard PCB using KiCad to be hot-swappable and programmable powered by a Raspberry Pi Pico.

Skills

Languages	Python, Java, LaTeX, C#/ASP.NET, SQL, C/C++, Assembly
Libraries	Tkinter, Transformers, PyTorch, NumPy, OpenAI, Ultralytics, Supervision
Tools	VSCode, JetBrains IDEs, Anaconda, Git, KiCad
Fluencies	English (Native), Japanese (Beginner)

Education

Rochester Institute of Technology, Rochester, NY

B.S./M.S. Computer Science

B.S. Japanese Language and Culture

Expected graduation: May 2026 B.S. / May 2027 M.S.

Dean's List: Fall 2022, Spring 2023, Fall 2023, Presidential Scholar, Performing Arts Scholar

Extracurriculars & Leadership

- Aug 2022 – Present • **Member**, *RIT Computer Science House*
- Living in a learning community emphasizing hands-on learning and a strong social atmosphere while participating in member-led seminars and meeting a major project requirement.
- Aug 2022 – Present • **Member**, *RIT Fencing Club*
- Participating in weekly fencing practices and open-bouting sessions, fencing saber.
- June 2017 – Jan 2022 • **Drum Major, Brass Captain, Member**, *Pennsauken Apache Marching Band*
- Developed skills in teamwork, discipline, and leadership while playing as part of a close-knit ensemble, leading rehearsals, and instructing students in marching technique.
- June 2021 • **State Assemblyman**, *American Legion Jersey Boys State*
- Simulated the creation of a 51st state with 500 student leaders from across New Jersey in order to solve problems in respective cities to learn the importance of discipline, respect, teamwork, and the political process.