

Logan Endes

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Experience

- Aug 2024 – Present **AI Software Engineer**, Part-Time, *Ecolab*, Remote
- Productionizing feasibility software to create a scalable pilot product.
 - Deploying **Computer Vision** models utilizing **MLOps** best practices with **Azure Machine Learning**.
- Jan 2024 – Aug 2024 **AI Software Engineering Co-op**, Full-Time, *Ecolab*, Saint Paul, MN
- Pioneered the use of **Computer Vision** AI models like **YOLOv9** to increase the efficiency of kitchens.
 - Collaborated with engineers from Microsoft as part of Ecolab's new AI Accelerator Team.
- Aug 2023 – Dec 2023 **Student Lab Instructor**, Part-Time, *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**, Full-Time, *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, with experiments performed in **Jupyter Notebooks**.
 - 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** 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 and create notes with large language models.

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, Go, C#, C/C++, SQL, Assembly, Bash
Libraries	Transformers, PyTorch, Tkinter, NumPy, OpenAI, Ultralytics, Supervision
Tools	Azure, Azure ML, Anaconda, Git, Docker, Jupyter Notebook, VSCode, JetBrains IDEs, KiCad
Fluencies	English (Native), Japanese (Beginner)

Education

Rochester Institute of Technology, Rochester, NY

B.S./M.S. Computer Science

Expected graduation: May 2026

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

Extracurriculars & Leadership

- Aug 2022 – Present **Executive Board: R&D Director, Member**, *RIT Computer Science House*
- Organizing weekly meetings, technical seminars, hackathons, and enabling members to develop major technical projects throughout the year.
 - 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.