Logan Endes

Seeking Summer 2025 Co-op in AI/ML

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Experience

Aug 2024 – Present
AI Software Engineer, Part-Time, *Ecolab*, Remote
- Creating a scalable pilot product with **CI/CD** pipelines to be piloted in 10 stores within the next year.
- Deploying **Computer Vision** models by utilizing **MLOps** best practices with **Azure Machine Learning**.
- Converting thousands of lines of feasibility software to match Microsoft code quality standards of maintainability and efficiency.

Jan 2024 – Aug 2024
AI Software Engineering Co-op, Full-Time, *Ecolab*, Saint Paul, MN
- Fine-tuned **Computer Vision** models like **YOLOv9** that allow customers to evaluate inefficiencies which cause poor speed of service.
- Collaborated with engineers from Microsoft as part of Ecolab's new AI Accelerator Team using the **Agile** methodology.

Aug 2023 – Dec 2023
Student Lab Instructor, Part-Time, *RIT Department of Computer Science*, Rochester, NY
- Aided 20 students 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** on **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

AI Notetaker, Log45/Notetaker, *Personal Project*
- Developing a web application to transcribe recordings and create notes with large language models including **Phi3** and OpenAI's **ChatGPT**.

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.

Fencing Judge, *Class Project: MS Introduction to Machine Learning*
- Organizing a group of 4 students to fine-tune YOLOv7-pose on 10 hours of fencing tournament data to automatically score sabre bouts.

Skills

Languages	Python, Java, LaTeX, Go, C#, C/C++, SQL, Assembly, Bash
Libraries	Transformers, PyTorch, Tkinter, NumPy, OpenAI, Ultralytics, Supervision
Tools	Azure, Azure ML, Azure DevOps, Anaconda, Git, Docker, Jupyter Notebook, VSCode, JetBrains IDEs, KiCad
Practices	Agile, MLOps, CI/CD, Scrum, Kanban
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.