Logan Endes

Seeking Full-Time in AI/ML starting Summer 2026

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Experience

Aug 2024 – Mar 2025 — **AI Software Engineer**, Part-Time, *Ecolab*, Remote
- Developed **ML pipelines** for a scalable pilot product with Senior and Principal Microsoft Engineers piloted in **10** stores last year.
- Deployed **Computer Vision** models by utilizing **MLOps** best practices with **Azure Machine Learning**.

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 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 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**.

Fencing Referee, Log45/Fencing-Referee, *Team Project: MS Introduction to Machine Learning*
- Organized a group of 4 students to train **object detection**, **pose estimation**, and **classification** models to score sabre bouts with an accuracy of **80%**.

CSH-Slurm, *Personal Project*
- Deployed a **Slurm** cluster for internal use by Computer Science House with servers donated by Wayfair and GPUs by Nvidia.
- Learning **Puppet** to automate updates and deployments of the cluster within CSHs server ecosystem.

Skills

Languages	Python, Java, LaTeX, C#, C/C++, SQL, Assembly, Bash, Go
Libraries	Transformers, PyTorch, OpenCV, Tkinter, NumPy, OpenAI, Ultralytics, Supervision, Scikit-learn
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 - Fall 2023, Spring 2025 || Presidential Scholar & Performing Arts Scholar

Extracurriculars & Leadership

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

Aug 2022 – Present — **Member**, *RIT Fencing Club*
- Participating in weekly fencing practices and open-bouting sessions, fencing sabre.

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.