Logan M. Ponik

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EDUCATION

University of Delaware   **Newark, Delaware**

B.S. in Computer Science   *Expected Graduation, May 2026*

- o **GPA: 3.10** | *Dean's List (Fall 2025, 3.67 Semester GPA)*
- o **Concentration:** Artificial Intelligence & Robotics
- o **Relevant Coursework:** Data Structures, Introduction to Algorithms, Introduction to Software Engineering, Database Systems, Introduction to Machine Learning , Parallel Programming, Introduction to Artificial Intelligence

SKILLS

Languages: Typescript/Javascript, Python, Java, SQL, C++, C, R

Programming & Tools: NextJS, React, Flask, Git, MongoDB, Postman, Oracle, Docker, Ghidra

PROFESSIONAL EXPERIENCE

Axe.ai   *June 2025 - August 2025*

Software Development Intern

- ● Contributed to front-end development of a desktop application using React, Tauri, and Docker, including reintegration of toast notifications from a legacy system.
- ● Prototyped and implemented a dynamic flow diagram interface with React Flow to visualize system processes in real time, enhancing UX and team collaboration.

Evlo Lawn Care

Co-Owner   *March 2021 - August 2024*

- ● Co-founded and grew a local landscaping business to 20+ recurring clients through targeted marketing and optimized operations.
- ● Developed advanced negotiation, sales, and problem-solving skills to effectively address operational challenges and drive business growth.

PROJECTS

Foliage   *(NextJS, Typescript, Supabase, FastAPI, Vercel)*

Team Member

- ● Built a full stack web app that turns an uploaded resume (PDF/DOCX) into structured profile content and generates portfolio-ready pages.
- ● Implemented authenticated, route-level workflows (upload, template selection, preview, profile, customization) with guarded navigation and session-aware redirects.
- ● Built a composable template system with live preview, color/theme controls, and data-driven section rendering to support rapid portfolio generation from a single source model.

[Nutrify](#)   *(Flask, Javascript, HTML, CSS)*

Team Member (Henhacks 2025 "Best Use of Gemini API" Winner)

- ● Developed Nutrify, a Flask-based nutrition analysis platform leveraging Google's Gemini multimodal AI to analyze foods via text and image inputs, delivering comprehensive nutritional profiles in real time.
- ● Engineered robust JSON handling with regex extraction and error correction, and optimized image processing workflows for accurate food recognition across multiple input methods.

MilaClassifier   *(Pytorch)*

Individual

- ● Built a binary image classifier to identify my cat ("Mila") vs. other cats using transfer learning with EfficientNet-B0
- ● Trained on a small, real-world dataset (~54 personal images) plus ~2,400 negative-class images (Oxford-IIIT Pet Dataset), addressing a ~1:45 class imbalance with class-weighted loss.

ACTIVITIES AND LEADERSHIP

Phi Kappa Sigma   **Newark, Delaware**

Academic Chair   *April 2024 – April 2025*

- ● Served as a mentor for over 70 members seeking academic guidance, raising average member GPA by 15%.