Eric Polanski

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EDUCATION

Northwestern University   Evanston, IL
Bachelor of Science, Computer Science, AI Concentration | GPA: 3.4/4.0   Sep. 2023 – Dec. 2025

College of Lake County   Grayslake, IL
Completed 65 credits towards Bachelors | *GPA 3.9/4.0*   Aug. 2021 – May 2023

SKILLS

Languages: Python, SQL, C++, Javascript/Typescript, HTML/CSS, Java, Bash/Shell
Tools: Git, GitHub, Docker, Azure ML, Google AI Platform, RESTful APIs
Frameworks: PyTorch, TensorFlow/Keras, Scikit-learn, MLflow, Hugging Face Transformers

WORK EXPERIENCE

AbbVie   North Chicago, IL
AI Engineer Intern   Sep. 2025 – Dec. 2025
- Architected a scalable RAG pipeline using Python and SQL to clean & standardize raw lab data, integrating an internal GPT-4 API to ensure high data confidence for downstream analysis
- Achieved 90% data coverage with 85% accuracy in mapping proprietary lab tests to standard LOINC codes, effectively converting unstructured data into queryable assets for research teams

Bioinformatics Intern   Jun. 2024 – Aug. 2024
- Developed a robust, automated Python and R data pipeline to streamline construction of gene regulatory networks, accelerating data processing for downstream analysis
- Designed relational databases to centralize access to historical genomic analyses, improving organizational transparency and inter-team collaboration

Bioinformatics Intern   Jun. 2023 – Aug. 2023
- Developed and deployed an R script leveraging genomics data visualizations on server-side hosting, supporting cross-team data communication, achieving 90% reduction in data processing time and minimized entry errors

Paper Tube Co.   Lincolnshire, IL
AI Automation Engineer Intern   Jun. 2025 – Sep. 2025
- Engineered event-driven automation systems linking Salesforce, Zapier, and Google Apps Script to trigger GPT-4 generated email drafts based on production object changes
- Reduced communication latency by 40% and saved 15+ hours monthly by automating personalized customer updates, utilizing JSON payloads for seamless cross-platform data transfer

College of Lake County   Grayslake, IL
Web Developer Student Worker   Aug. 2021 – May 2023
- Maintained college website and resolved 700+ technical requests. Recipient of 2022 Purpose Award

PROJECTS

FAAM Basketball Organization |*AI-Generated Newsletter*   Sep. 2025 – Dec. 2025
- Engineered an AI-driven reporting tool in Python to turn raw basketball stats into a clear, readable newsletter
- Leveraging predictive modeling/NLP to generate key performance insights, automating manual reporting

Northwestern University |*Teddy Talk*   Jan. 2025 – Mar. 2025
- Developed a conversational AI application using OpenAI LLMs, implementing context-window management and system prompting to maintain long-term persona consistency
- Integrated OpenAI's Moderation API and the TextBelt API to detect inappropriate inputs and trigger real-time SMS alerts to parents, ensuring a safe user environment