

Eric Polanski

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EDUCATION

Northwestern University

September 2023–December 2025

Bachelor of Science, Computer Science

Artificial Intelligence Concentration

Major GPA 3.8/4.0

Extracurricular Activities: Computer Science Advisory Council Member, Computer Science Mentor

College of Lake County

August 2021–July 2023

Completed 56 credits towards Bachelor's degree

Honors & Scholars Student

GPA 3.9/4.0

Extracurricular Activities: Student Government President, Chess Club Founder, Phi Theta Kappa Honors Society Member, Governance Coordinating Council Member

SKILLS

Programming Languages: Python, JavaScript/TypeScript, Java, C++, R

AI/ML Technologies & Frameworks: Google Gemini API, OpenAI API, TensorFlow

Developer Tools & Platforms: Git, Docker, VS Code, Jupyter Notebooks

EXPERIENCE

AbbVie – North Chicago, IL

June 2024–August 2024

Bioinformatics Intern

- Engineered an automated data pipeline for constructing gene regulatory networks from single-cell RNA sequencing data using Python, significantly streamlining data processing and downstream analysis workflows.
- Optimized analysis algorithms enhancing key biological markers achieving a 25% improvement in detection accuracy over established baselines.
- Designed, and maintained relational databases to centralize and automate access to historical genomics analyses, improving data retrieval and inter-team collaboration.

AbbVie – North Chicago, IL

June 2023–August 2023

Bioinformatics Intern

- Developed and deployed a script leveraging to automate the generation of genomics data visualizations on server-side hosting.
- Achieved 90% reduction in data processing time and minimized entry errors.
- Resolved technical challenges in data integration and cross-platform formatting, ensuring seamless automated data flow and visualization compatibility for diverse genomics datasets.

College of Lake County

September 2021–May 2023

Public Relations and Marketing Student Worker

- Maintain the college website using content creation tool and management tools.
- Managed and prioritized over 700 technical support requests for web updates, ensuring timely resolution and stakeholder satisfaction.
- Recipient of 2022 College of Lake County Purpose Award

PROJECTS

COMP_SCI 338 – Evanston, IL

January 2025–March 2023

Teddy Talk: Architected a AI conversational agent, integrating OpenAI GPT models via API and advanced prompt engineering to automate adaptive and engaging dialogue for a children's toy, resulting in a prototype capable of sustained, interactive conversations.

COMP_SCI 394 – Evanston, IL

March 2024–June 2024

DoughJo: Developed a web application for home pizza makers, featuring an AI chatbot assistant powered by Google's Gemini API to automate user guidance.