MAXIM LAVRENKO

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eternalbirch@gmail.com ⋄ [maxinimus (Github)](https://github.com/maxinimus)

EDUCATION

Purdue University | West Lafyette, IN   *August 2022 - June 2025*
B.S. in Computer Science   Major GPA: 4.00 / 4.00
B.S. in Mathematics   Major GPA: 4.00 / 4.00

CGPA: 3.97 / 4.00
Dean's List & Semester Honors   *August 2022 - Present*

COURSEWORK

By the end of Spring 2024, I will have completed the following courses:

- Introduction to the Analysis of Algorithms
- Linear Algebra 1 & 2
- Computer Architecture
- Data Structures
- Discrete Mathematics
- Systems Programming
- C Programming
- Object-Oriented Programming
- Ordinary Differential Equations

CAREER OBJECTIVE

As a university student deeply passionate about artificial intelligence, software engineering, mathematics, and problem-solving, I aim to gain experience in software enginerring and delve into cutting-edge AI applications and research. Drawing from my academic foundation, I aspire to bridge the gap between theoretical concepts and their transformative impact on society.

PROJECTS

Sofia Chatbot | Python, Poe, Whisper   *July 2023*

- Allows text/voice input to chat with POE bots. Built using a reverse-engineered POE API client.
- Capabilites such as TTS, switching POE bot models, clearing history, importing mp3 and others, as well as looking through history.
- Uses a reversed engineered POE API, so support is limited.

LaTeX Matrix Calculator Website | Flask, numpy, React, Heroku   *May 2023*

- Developed a web application to assist LaTeX users working with matrices and linear algebra.
- Calculates and provides LaTeX code for finding things such as inverse, REF, and more based on LaTeX code of a matrix.
- Built with Flask for the backend and React for the frontend.
- Deployed on Heroku (currently unavailable due to hosting costs).

Spotify Playlist Mixer | Flask, React, Spotify API   *June - July 2023*

- Built a web application that utilizes the Spotify API to help users without spotify premium.
- The tool offers shuffling, which enables people to listen to shuffled playlists on their phone without paying for Spotify Premium, as well as reversing a playlist, and more will be added.
- Developed using Flask for the backend and React for the frontend.

TECHNICAL STRENGTHS

Technical Skills	Python, C, C++, Java, React.js
Technologies	HTML5, CSS, Latex
Version Control	Github