

MAXIM LAVRENKO

maximus (Github)

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EDUCATION

Purdue University

B.S. in Computer Science

B.S. in Mathematics

Dean's List & Semester Honors

August 2022 - June 2025

Major GPA: 4.0/4.0

Major GPA: 4.0/4.0

CGPA: 3.97/4.0

August 2022 - Present

COURSEWORK

The following are some of the notable courses I will have completed by Spring 2024:

Introduction to the Analysis of Algorithms Data Structures C Programming Linear Algebra 1 & 2

Discrete Mathematics Object-Oriented Programming Computer Architecture Systems Programming

CAREER OBJECTIVE

As a university student deeply passionate about artificial intelligence, software engineering, mathematics, and problem-solving, I aim to gain experience in software engineering 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.
- Capabilities 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

June - July 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, MySQL

Technologies

HTML5, CSS, Latex

Version Control

Github