

MAXIM LAVRENKO

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EDUCATION

Purdue University

B.S. in Computer Science, Machine Learning Track
B.S. in Mathematics

Dean's List & Semester Honors

August 2022 - May 2025

Major GPA: 4.0/4.0

Major GPA: 4.0/4.0

CGPA: 3.98/4.0

August 2022 - Present

WORK EXPERIENCE

Purdue University

Undergraduate Teaching Assistant for Computer Architecture

- Facilitated weekly labs, assisting and assessing student projects in CS 25000.
- Provided office hour support and project grading.

January 2024 - Present

Purdue University

Undergraduate Teaching Assistant for Foundations of Computer Science

- Supported students during office hours and in PSO sessions for CS 18200.
- Managed the grading of approximately 400 weekly homework submissions.

January 2024 - Present

PROJECTS

LaTeX Matrix Calculator Website | Flask, numpy, React, Heroku

June - July 2023

- Engineered a web application for LaTeX users to manage matrices and linear algebra operations.
- Provided LaTeX code generation for matrix operations, using Flask and React.
- Deployed on Heroku, optimizing for usability and access (currently inactive due to hosting costs).

Better Housing Bot | Python, Discord.py, BeautifulSoup

December 2023

- Created a Discord bot to streamline the search for on-campus housing at Purdue University.
- Implemented real-time dorm and apartment availability tracking through web scraping.
- Features included automatic updates, a notification mute function, and on-demand checks.
- Assisted several users in securing convenient on-campus housing, avoiding costlier alternatives.

EXTRACURRICULAR ACTIVITIES

BoilerMake Hackathon X

January 2022

- Developed a pollution trend visualization map using plotly, pandas, and HTML in a 36-hour challenge.

BoilerMake Hackathon XI

January 2023

- Created a web application for enhanced chat experiences, utilizing React, TypeScript, and Go.

Problem Solving

August 2023 - Present

- Solved 500+ problems on LeetCode using Python and C++, now focusing on Codeforces for competitive programming.

TECHNICAL STRENGTHS

Programming Languages

Python, C, C++, Java, x86 Assembly

Web Technologies

HTML5, CSS, React.js

Version Control

GitHub