MAXIM LAVRENKO

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EDUCATION

Purdue University *August 2022 - May 2025*
B.S. in Computer Science, Machine Learning Track Major GPA: 4.0/4.0
B.S. in Mathematics Major GPA: 4.0/4.0
CGPA: 3.99/4.0
Dean's List & Semester Honors *August 2022 - Present*

WORK EXPERIENCE

Teaching Assistant For Data Structures CS 25100 June 2024 - August 2024
· Held office hours and PSO sessions.
· Graded weekly homework submissions and provided feedback.

Teaching Assistant For Computer Architecture CS 25000 January 2024 - May 2024
· June 2024 - August 2024
· Facilitated weekly labs, assisting and assessing student projects.
· Provided office hour support and project grading.

Teaching Assistant For Foundations of Computer Science CS 18200 January 2024 - May 2024
· Supported students during office hours and in PSO sessions.
· Managed the grading of approximately 400 weekly homework submissions.

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