

Caden Jurkovski

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EDUCATION

University of Minnesota – Twin Cities (*ongoing*)

Sep. 2022 – May 2026

B.S., Computer Science and Mathematics (Double Major)

Minneapolis, MN

- CCAPS Dean's List, 3.87/4.0 GPA as of Spring 2024 semester
- 69 credits completed as of Spring 2024 semester.

WORK EXPERIENCE

University of Minnesota – College of Science & Engineering

August 2024 – Present

Student Learning Assistant

Minneapolis, MN

- Student Learning Assistants assist with classroom instruction using active learning techniques, proctor quizzes, grade homework, and aid with course preparation.
- Specialized in Math 1151: Precalculus II

Engineering For Kids

June 2024 – Present

Summer Assistant Teacher

Minneapolis, MN

- Engineering For Kids provides educational and stimulating robotics programs for young engineers ranging from 3rd to 8th grade.
- As an Assistant Teacher, I specialized in the distribution of materials, maintaining student focus, and one-on-one interaction with students.

Aire Brokers LLC

Nov. 2023 – August 2024

Linux Database Administrator Intern

Minneapolis, MN

- Aire Brokers provides real estate solutions for customers surrounding the Twin-Cities area.
- I was responsible for the physical & virtual maintenance of a variety of database servers and networks.
 - On call to help fix a variety of maintenance/uptime issues whenever needed.
- Experimented with training large language models.
- Experience with Linux, Python, SQL, Plesk, WordPress, Ubuntu and PowerEdge servers.

SKILLS & PROJECTS

Experience with: Java, Python, OCaml, JavaScript, C/C++, x86 Assembly, HTML/CSS, ExpressJS, SQL

Recent Projects

- URL Shortener API
 - Utilizes Python/Flask, PostgreSQL, and a fully functional frontend with a live demonstration on my personal website. The database, website, and API are all deployed on Microsoft Azure.
- Discord Eval Bot
 - A Discord bot designed to safely execute arbitrary Python code snippets directly through Discord messages with markdown support.
 - Utilizes restricted built-ins to prevent accidental harmful code execution.
- Derivative Graphing Webapp
 - A web application that can be used to graph a function and it's first derivative of a function of the format $f(x)$, with a live demonstration on my personal website.
 - Utilizes JavaScript, CSS/HTML, MathQuill and Desmos API

All examples of my work can be found on my [GitHub](#)