# 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 $3^{rd}$ to $8^{th}$ 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, ReactJS, SQL

**Recent Projects**
- URL Shortener API
    - Utilizes Python/Flask, PostgreSQL, and a fully functional React 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 React along with MathQuill and Desmos API

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