

# Caden Jurkovski

+1 (763) 218-9264 | [caden@jurkovski.com](mailto:caden@jurkovski.com) | [jurkovski.com](http://jurkovski.com)

 [linkedin.com/in/jurkovski](https://www.linkedin.com/in/jurkovski) |  [github.com/cyphercrit](https://github.com/cyphercrit)

## EDUCATION

### • University of Minnesota - Twin Cities

September 2022 - May 2026

B.S., Computer Science and Mathematics (Double Major), GPA: 3.83

Minneapolis, MN

- Relevant Coursework: Data Structures & Algorithms, Computer Architecture, Advanced Programming, Networks and Systems, UI/UX, Databases.

## EXPERIENCE

### • Aire Brokers LLC

November 2023 - August 2024

Linux Database Administrator Intern

Minneapolis, MN

- Managed the maintenance of database servers both physically and virtually, ensuring 99.9% uptime across systems supporting real estate solutions for clients in the Twin-Cities area.
- Developed and tested database automation scripts, reducing manual maintenance efforts.

### • University of Minnesota - Department of Computer Science & Engineering

December 2024 - Present

Computer Science Teaching Assistant

Minneapolis, MN

- Assisted students through office hours and discussion sections by clarifying complex concepts, guiding problem-solving, and supporting their academic success.
- Proctored exams, graded assignments, and collaborated with faculty to ensure effective course delivery and student learning outcomes.

### • University of Minnesota - College of Science & Engineering

August 2024 - Present

Student Learning Assistant

Minneapolis, MN

- Led active learning and office hours sessions in Precalculus II (Math 1151), helping to increase student exam scores across the board.
- Proctored quizzes and graded assignments with a 100% on-time record, ensuring consistent and accurate feedback for students.

## PROJECTS

### • URL Shortener API | [GitHub Repo](#) | [Live Demo](#)

Tools: Python, Flask, PostgreSQL, Azure

- Designed and deployed a URL shortening service with Python, Flask, and PostgreSQL, delivering a scalable backend hosted on Microsoft Azure.
- Developed a responsive React frontend and integrated it with the API, enabling users to shorten and manage links seamlessly.

### • Discord Eval Bot | [GitHub Repo](#)

Tools: Python, discord.py, Asyncio

- Built and deployed a Python-based Discord bot using discord.py and asyncio to safely evaluate user-submitted markdown supported Python code.
- Implemented restricted built-ins mechanism to prevent accidental harmful code execution.

### • Graphing Derivatives Webapp | [GitHub Repo](#) | [Live Demo](#)

Tools: JavaScript, ReactJS, ExpressJS, Azure

- Developed a web application with React and Express.js that graphs functions and their derivatives, offering a live demo hosted through Azure.
- Integrated MathQuill and the Desmos API to provide an intuitive interface for mathematical input and visualization.

## SKILLS & CERTIFICATIONS

### • Certifications: [Github Foundations](#)

### • Programming Languages: Python, Java, C/C++, JavaScript, OCaml, HTML/CSS, x86 Assembly

### • Technologies: Git, GitHub, SQL, Excel, MATLAB, Docker, Azure, AWS

### • Full Stack: Flask, Django, ReactJS, ExpressJS, PostgreSQL, REST API's