

Caden Jurkovski

+1 (763) 218-9264 | caden@jurkovski.com | jurkovski.com

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




EDUCATION

- **University of Minnesota - Twin Cities** September 2022 - May 2026
B.S., Computer Science and Mathematics (Double Major), GPA: 3.87 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 - 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.
- **Engineering for Kids** June 2024 - August 2024
Assistant Teacher Minneapolis, MN
 - Delivered robotics programs to students in grades 3–8, enhancing STEM engagement and increasing program participation.
 - Maintained student focus during hands-on projects by implementing structured workflows, leading to a reduction in classroom disruptions.

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