

Nadia Potteiger

6128498376 | nadia@nyadiia.dev | mikufan.page | github.com/nyadiia

Education

University of Minnesota

Minneapolis, MN

Bachelor of Science in Computer Engineering

Aug 2022 - Present

- **Relevant Coursework:** Analog and Digital Electronics, CSE Linear Algebra, Introduction to Microcontrollers, Introduction to Digital System Design.
- Specializing in microcontrollers and analog devices.
- Gaining practical experience through hands-on projects and lab work.
- Developing strong analytical and problem-solving skills.
- Participating in extracurricular activities such as the Association for Computing Machinery (ACM).

Leadership Positions

Systems Administrator

Minneapolis, MN

Association for Computing Machinery, University of Minnesota

May 2023 - Present

- Redesigned the network infrastructure to support 10GbE.
- Maintained services for dozens of members, including personal virtual machines.
- Played a key role in delegating server resources for a hackathon with over 1,000 participants and a prize pool exceeding \$5,000.

Programming Development Lead

Maple Grove, MN

Crimson Robotics

Sept 2018 - June 2022

- Collaborated with a large team to solve complex problems.
- Operated in high-pressure environments while maintaining a focused attitude on the situation.
- Performed cold calls to various local companies for fundraising.

Projects

ACM Matrix Instance

ACM UMN

An open source chat server using the matrix protocol

May 2024 - Present

- Deployed using Docker and Dendrite, a rewrite of Synapse in Go.
- Utilizes a PostgreSQL database for storing text, images, and user data.
- Takes advantage of nginx for well-known declarations, reverse proxy, and SSL certificates.

Nixpkgs Maintainer

Nixpkgs on GitHub

Maintainer for an open source package repository

Mar 2024 - Present

- Maintainer of multiple packages on the nixpkgs platform.
- Contributed to open source communities.
- Collaborated with upstream developers to resolve issues.

Personal Blog

mikufan.page

Personal Blog

Nov 2022 - Present

- Implemented using the Zola static site generator.
- Configured nginx to enable HTTP/3 with QUIC for optimized page load times.
- Utilizes Javascript to provide quality of life features, without making it required.

Home Server

Home

My personal home server for running various services

Aug 2022 - Present

- Operates on NixOS with an automated updating flake.
- Hosts various services, including websites and media servers.
- Utilizes Tailscale for SSH connections and as an exit node for other devices.

Skills

Operating Systems Windows, Mac OSX, Linux.

Systems and Tools Git, Docker, nginx, Networking, Docker, QEMU/KVM, PostgresDB.

Programming HTML/CSS, SQL, Python, C++, Rust, Java.

Soft Skills Time Management, Teamwork, Problem-solving, Leadership, Documentation, Logical thinking.

Software Word, Excel, PowerPoint, Adobe Photoshop, MATLAB