

Kari Naga

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Education

University of Michigan

Bachelor of Science in Engineering in Computer Engineering

Ann Arbor, MI

April 2024

GPA: 3.974/4.0

Course Highlights: Data Structures and Algorithms (C++), Parallel Programming with GPUs (CUDA), Embedded Systems (ARM), Computer Organization (C and Assembly), Computer Security, Signals and Systems

Awards/Honors: Voy and Joan Bradetich Endowed Scholarship, William J. Branstrom Freshman Prize (top 5% of class), Tau Beta Pi Inductee, Dean's List, University Honors

Thomas Jefferson High School for Science and Technology

Alexandria, VA

GPA: 4.5/4.0

June 2021

Course Highlights: Machine Learning, Artificial Intelligence

Work Experience

iGloo Digital Marketing

McLean, VA

Software Engineer

May 2022 - August 2022

- Designed and developed tools and web applications to help marketers analyze and report on their business and lead data in a meaningful and actionable way
- Worked directly with clients to understand their needs and implement new features based on their feedback and specific use cases (e.g. documentation, UI layout, general UX, etc.)

Leadership Experience

Origami Club at the University of Michigan

Ann Arbor, MI

Co-President

July 2022 - Present

- Aided in forming the new organization, developing the leadership structure, writing the constitution and club rules, managing funding, planning events, and attracting new members through outreach and social media
- Helped lead club meetings, presenting on projects and lending aid to inexperienced members

Michigan Autonomous Aerial Vehicles

Ann Arbor, MI

Webmaster

April 2022 - Present

- Rebuilt the organization's website and onboarding infrastructure from the ground up in collaboration with other team leaders in order to attract new members and sponsors and document our progress on the project
- Revamped the internal wiki detailing the team's functioning, hierarchy, and software infrastructure

Project Experience

Snthszr

April 2022

- Worked with a team to build a digital synthesizer with a web-based frontend built in Svelte which communicates using WebSockets with a Julia backend for audio processing and output and accepts input from a MIDI keyboard

OpenSpace

May 2021

- Researched audio spatialization for music through headphones by splitting audio into separate instrument tracks, localizing each track in virtual 3D space, and playing back the result using a head-related transfer function

Skills

Python, C, C++, Rust, ASM, Java, Julia, Javascript, Typescript, React, Vue, Svelte, HTML, CSS, Git, Docker, Unix Tooling

Activities

Michigan Autonomous Robotic Vehicle Team, *Member of Sensors Subteam*

January 2023 - Present

Tau Beta Pi Michigan Gamma Chapter, *Active Member*

December 2022 - Present

Michigan Autonomous Aerial Vehicles, *Member of Software Subteam*

January 2022 - Present