NAM HAI NGUYEN

East Lansing, MI | nguyenhainam8668@gmail.com | (517) 980-4310 |
https://bit.ly/portfolio-euclid | https://www.linkedin.com/in/nam-nguyen-95452a252/

OVERVIEW

A rising junior in Computer Science with strong desire to learn new things, high tenacity, and dedication to small details; seeking an internship position in Software Engineering to learn and acquire hands-on skills.

EDUCATION

Michigan State University, College of Engineering, Honors College   East Lansing, Michigan
Bachelor of Science, Computer Science   **September 2019 - Present**
Related Coursework: Data Structures and Algorithms, Object-Oriented Software Development, Database Systems, Computer Organization and Architecture
GPA: 4.0/4.0

TECHNICAL EXPERIENCE

SpartaHack 8: ReTiMe – East Lansing, Michigan   **January 2023**
Developer
- Teamed up with 3 other freshmen to develop a **Realtime Messaging Web App (ReTiMe)** within the 48-hour duration of MSU's annual Hackathon, allowing **50 users** to use simultaneously
- Developed a space-themed UI using **HTML/CSS/JavaScript** for a visually appealing experience
- Enabled real-time messaging with **Express.js** and **socket.io** for fast and lively users' interaction
- Implemented secure authentication and convenient users' data storage leveraging **Google Firebase**

Michigan State University - East Lansing, Michigan   **September 2019 - Present**
Professor Assistant Program
- Collaborated with Prof. Zhichao Cao to refine a NELoRa model deployed in sensor system for farmers by experimenting it with a higher Spreading Factor (SF) of 11 and 12, aiming to increase the communication range and extend each node's battery life by **272%**
- Exploited **Python** to retrain the dual-DNN model used in decoding chirp symbols with SF ranging from 7 to 10 to examine SenSys '21 paper and use the results as benchmarks for experimenting higher SF

Halloween-Spartan Themed Action Sudoku – East Lansing, Michigan   **August 2023 – September 2023**
CSE335 – Object Oriented Software Development
- Led a team of 5 students to develop a novel and engaging version of the famous puzzle Sudoku, taking full advantage of **C++** for the backend and cross-platform GUI library **wxWidgets** for the frontend
- Collaborated and communicated seamlessly with others through **Git and GitLab**, ensuring efficient version control and code management
- Strictly adhered to **object-oriented design principles** of Abstraction, Encapsulation, Inheritance, and Polymorphism, contributing to the successful launch of the final program

AWARDS

Michigan State University
Dean's List for Spring and Fall Semesters of 2022, 2023

LANGUAGES AND TECHNOLOGIES

Beginner: Firebase, RESTful API, socket.io, Zustand, Reactflow.js
Intermediate: Python, C++, TypeScript, HTML/CSS, React Native, MongoDB, Express