

Nam (Logan) Nguyen

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SKILLS

- Blockchain | Ethereum • Hedera/Hashgraph • Solidity • Hardhat • Ethers.js • Web3.js • OpenZeppelin • Remix
- Front-End | Next.js • React.js • TypeScript • HTML • CSS • Tailwind • ChakraUI • Styled Component • WordPress
- Back-End | Golang • Open Liberty • Spring Boot • NodeJS • Express • MongoDB • MySQL • Firebase

EDUCATION

State University of New York (SUNY), College at Oswego

Jan. 2021 – exp. May. 2023

Bachelor of Science in Computer Science

CGPA: 4.00/4.00

- Courses: Software Engineering, Data Structures and Algorithms, SQL Database, Software Deployment

EXPERIENCE

Blockchain Software Engineer Internship, SwirlsLabs

July. 2023 – Now

(Solo project) - <https://github.com/hashgraph/hedera-smart-contracts> - <https://hedera-dapp-playground.vercel.app>

- Designed and engineered an intuitive low-code user-friendly web 3.0 DApp with **Next.js**, simplifying interaction with Hedera's intricate system contracts, reducing learning barriers, and enhancing developer accessibility
- Integrated **Metamask** for seamless wallet support, enhancing user onboarding and enabling secure interactions with Hedera's network and its system contracts.
- Utilized **ethers.js** to enable seamless execution of Hedera system contract functions via intuitive buttons and dynamic input fields, simplifying interaction with Hedera's powerful features.
- Utilized GitHub's sprint board to track and manage work tickets, enhancing workflow efficiency and team coordination
- Gained valuable experience in **Agile** project management methodologies and collaborative software development practices during the internship

Full-stack Software Engineer Internship, Jobs4Interns – Domenix

Sep. 2022 – Dec. 2022

- Developed a scalable web application that assists interns connect with employers and land on internships with ease
- Successfully practiced **Agile** methodologies to support collaborative team efforts, improve project transparency, and facilitate timely project completion
- Collaborated closely with teammates in a **Scrum** team of 6 to create efficient restful APIs utilizing the MERN stack, facilitating seamless data transfer between the front-end and back-end systems

Web Development Intern, SUNY Center for Professional Development

Feb. 2022 - May. 2022

- Conducted proactive monitoring of website performance, swiftly addressing any technical issues, and troubleshooting as necessary to ensure optimal functioning of a highly complex network of 30 WordPress websites

PROJECTS

Spark Your Noble Story (SYNS Platform) (Full stack + Blockchain)

(Capstone project) – <https://github.com/syns-platform> - <https://syns.vercel.app>

- Designed and developed a revolutionary web 3.0 platform that combines NFTs, music-donation system, NFT marketplace, club membership, and social media features, empowering musicians and fans to connect, showcase, and promote their music, revolutionizing the music industry
- Deployed 5 **Solidity** smart contracts on **Polygon**, reducing gas fees by 90% and enabling cost-effective NFT transactions along with club membership and donations functionalities
- Utilized **OpenZeppelin's** ERC-721 and ERC-1155 standards for secure creation and management of NFTs in the project
- Incorporated **Hardhat** framework to streamline the development of smart contracts, increasing the feedback loop up to 10 times through robust support for tasks such as contract editing, debugging, and deployment management
- Implemented **Next.js**, **React.js**, and **Tailwind CSS** to create a seamless and user-friendly interface for the platform, enhancing the user experience and enabling musicians and fans to easily interact with the platform's features
- Implemented 3 restful-based microservices for the backend using **Golang** and **MongoDB**, providing a robust and scalable infrastructure for off-chain data management and API services

Hashtology Decentralized App (Front-end + blockchain)

(Side project) - <https://github.com/quiet-node/hashtology-dapp>

- Designed and developed a decentralized application on the **Ethereum** network, facilitating seamless global cryptocurrency transfers and delivering a user-friendly experience for customers
- Implemented a fungible token smart contract using **Solidity**, enabling wallet-to-wallet transfer functionalities
- Employed a blend of **React.js** front-end library and **TypeScript** programming language to enhance application performance and guarantee type safety