Nguyet-Anh Duong

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EDUCATION

Vietnam National University, University of Engineering and Technology Hanoi, Vietnam
B.S. in Computer Science *2019 – 2023*
- **GPA**: 3.42/4.0; IELTS: 6.5
- **Thesis**: *Securing Relayers in Cross-Chain Bridges Using Network-Based Obfuscation* ↗

EXPERIENCE

Undergraduate Research, Lab Assistant Dec 2020 – Jun 2023
UET Blockchain Lab *Hanoi, Vietnam*
- Researched and analyzed key components of blockchain technology, encompassing consensus algorithms, blockchain architecture and design, smart contract development, token standards and NFT development, blockchain interoperability and cross-chain solutions
- Utilized proxy web server to implement cross-chain bridge solutions, effectively reducing transaction failures and enhancing security
- Produced documentation and delivered presentations for each research topic, cutting down team members' research time by 80%
- Facilitated weekly meetings and provided educational materials, aiding in the onboarding and skill development of undergraduate team members

Backend Developer Intern Aug 2022 – Feb 2023
Depocket Labs JSC *Hanoi, Vietnam*
- **Technologies**: Go, Nodejs, PostgreSQL, RESTful API, GraphQL
- Contributed to the development of an index engine for a crypto portfolio tracker application, resulted in 8% increase in the number of DeFi protocols tracked and corresponding increase in application visitors
- Authored technical documentation, reducing onboarding time

Blockchain Developer Intern Apr 2021 – Nov 2021
SotaNext JSC *Hanoi, Vietnam*
- **Technologies**: Solidity, Nodejs, RESTful API, Hardhat/Ether.js
- Designed and implemented secure Solidity smart contracts for an NFT Marketplace, ensuring transaction safety and minimizing vulnerabilities
- Implemented an upgradeable smart contract approach, achieving 90% reduction in deployment costs and workload for updating contract logic
- Developed 20+ RESTful APIs for blockchain and smart contract interactions
- Developed automation tests for smart contracts, enhancing code reliability and reducing manual testing efforts

PROJECTS

Simplified Cross-chain Bridge | *Go, Solidity, Nodejs, Hardhat, Docker* May 2022 – Jun 2023
- Developed and deployed a cross-chain bridge connecting Ethereum and Fantom networks
- Conducted in-depth security assessments and implementing security measures, resulted in reduction in bridge vulnerabilities

TECHNICAL SKILLS

Languages: Go, JavaScript, Java, C++, TypeScript, SQL, Solidity
Web Development: HTML/CSS, Bootstrap, Node.js, Express.js, PostgreSQL
Automation Testing Tools: PlayWright, Mocha.js, Chai.js
Developer Tools: Linux OS, VSCode, Git
Blockchain Development: Ethereum, Truffle/Web3.js, Hardhat/Ether.js

AWARDS & HONORS

Runner-Up, EVMxIdeathon Hackathon ↗ by *EOS Network Foundation* Oct 2022
Second Prize, VMO DApp Creator Hackathon ↗ by *VMO Holdings & V2B Lab* Dec 2021