

# Vinh H. Le

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## Skills

**Programming:** Solidity, Java Script, Python, Golang, HTML, CSS

**Frameworks:** Hardhat, Truffle, Foundry, Echidna, React, Tailwind, SQL, NoSQL

**Communication:** Design documentation, proposals, technical reports, instruction manuals, presentations (large and small audiences)

**Work-related skills:** Web development (ReactJS +Tailwind CSS), Project management and execution, Research skills

**Language:** English (proficient, IELTS: 7.5), Vietnamese (native), Chinese (beginner)

## Projects

### Oracle-integrated Multisignature Wallet

Enhanced multisig wallet integrated with off-chain signing (save gas) and real-time price feeds from Chainlink Oracle allowing owners to escape funds automatically (distribute funds among owners according to set allocation) if losing access to the wallet (lose private key) given market prices/BTC collateral reserves triggered an user predefined threshold

### Customizable DEX

Customizable DEX project allowing UI edit, change fees, parameters, liquidity options, market pairs

### WBTC mint/burn Transaction Query DApp

DApp queries and displays WBTC most recent mint/burn transactions with message senders, amount, time/block included

### Web3 Blog

Web3 Blog NextJS App enabling users to create, view, edit and query other post (using The Graph Protocol)

## Experience

### Crystalize.dev Inc | Remote US

July 2021 – Present

Outsourced DApps & Auditing firm featuring smart contracts, Web 3 Academy featuring Dapps development

### BLOCKCHAIN DEVELOPER

- Develop functional DApps embracing NFT collection, Multisig wallet, DEX prototype, Token fund allocator, Web 3 blog, Mint & Burn Transaction Query
- Perform statistics analysis using Slither and manual verification to audit other's contracts and design documentations to report findings and make recommendations for bug fixing, based on severity
- Conduct fellowship audit contract for external outsourcing clients and produce audit reports individually or collectively

### Cystack | Hanoi

Nov 2022 – April 2023

Viet Nam's leading cybersecurity and information security company providing smart contract audit, pentest, vulnerability management

### BLOCKCHAIN DEVELOPER /AUDIT ASSOCIATE

- Attending in-depth training on general information security, Dapp development, smart contract development and auditing
- Contributed to route-finding algorithm for efficient and low-cost swapping in team's DEX swap building project
- Participated in auditing outsourcing smart contract for various GameFi, Dex, NFT, Upgradable Proxy contracts

### Spores Network | Hanoi

July 2022 – September 2022

### TECHNICAL RESEARCH ANALYST

A \$3-million valuation blockchain company embracing Launchpad, Incubator, GameFi/Metaverse publisher and Venture Capital

- Researched and reported notable and applicable features, implementations from renowned published and audited contracts, protocols (DeFi, NFT, Launchpad, Marketplace) for company's products usage
- Analyzed social and financial data on market tractions, IDO status, transactions and price to derive investment decisions

### Product Strategy Department, VinFast | Nha Trang

June 2021 – December 2021

### DATA RESEARCH AND MARKET RESEARCH INTERN

Member of the conglomerate organization Vingroup, Vietnam's top private automotive company manufacturing electric vehicles

- Researched smart vehicle features and design customer experience for incoming VinFast car models.
- Collected car testing data and learn to clean/process them to output answers for queries.

### College of Engineering and Computer Science, VinUniversity | Hanoi

September 2021 – Nov 2022

### RESEARCH ASSISTANT

Vietnam's world-class private university with curriculum built and certified by Cornell and Pennsylvania universities

- Researched data privacy, data anonymization applications to Data analytics, Machine Learning, Federated Learning
- Wrote paper on reverse mapping, an improved model of privacy-preserving data publishing for IEEE Access journal

## Education

### Bachelor of Computer Science | VinUniversity | Hanoi

GPA 3.76/4.00 (3.94/4 Major)

### Relevant Coursework – Awards

- VinUniversity's EXCEL grantee 2022-2023 for top 5% students with exceptional performance and extracurricular activities
- Top 6 national finalists and international finalists in IBCOL - International Blockchain Olympiad