

NAM DUONG

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[Linkedin](#)

[Github](#)

[Portfolio](#)

ABOUT ME

Technical Skills C/C++(6 years), OS, Node.js, Vue.js, React.js, Computer Networks, L^AT_EX, Solidity
Interests Competitive Programming, Poker, Football, Cat

EDUCATION

University of New South Wales Kensington, NSW (2022 - 2025)
- Bachelor of Computer Science

WORK EXPERIENCE

Undisclosed Firm Sydney, NSW (Dec 2024 - Present)

Smart Contract Auditor

Solidity, Testing, Documenting

- Conducting research on smart contract verification tools in collaboration with industry partners
- Working under the supervision of Professor Ron Van der Mayden

UNSW Kensington, NSW (Sep 2023 - Present)

Casual Academic & Research Assistant

- COMP4128 - Programming Challenge (Marker, Problem Setter, Editorial Writer, Lab Assistant in [23T3], [24T3])
- COMP3121 - Algorithms and Programming Techniques (Marker, Lab Demonstrator in [23T3], [24T1], [24T2], [24T3])

H2X Engineering Software Sydney (Dec 2023 - Feb 2024)

Full-Stack Software Developer Internship

Node.js, Vue.js, React.js, REST APIs, AWS, Docker

- Integrated third-party API data streams with Google Maps API for enhanced location services [[Contribution](#)]
- Architected new data structure for Duct System and optimized HVAC System codebase
- Implemented comprehensive testing suite and resolved customer-reported issues
- Developed multi-format export functionality supporting JSON, Word, Excel, and PDF

H2X Engineering Software Sydney (Dec 2022 - Feb 2023)

Software Developer Internship

Node.js, Vue.js, Git, React.js

PROJECTS

WEB DEVELOPMENT

TeamUp

React.js, Node.js, PostgreSQL, Algorithm

- Led full-stack development and database architecture for ICPC team management platform
- Designed and implemented team sorting algorithms for optimal group formation
- [Live Demo](#) — [Github](#)

SportShare

React Native, Node.js, Docker, AWS, Python, Algorithm

- Collaborated with mid-senior software engineers from Google and Deputy
- Developed system for game creation, bill splitting, and skill-based team distribution
- [Live Demo](#) — [Github](#)

Airbnb Clone

React.js, Node.js, Redis, Vercel

- Built a full-stack rental platform with booking system and user authentication
- [Live Demo](#) — [Github](#)

Slackr

Node.js, Redis, Vercel

- Developed real-time messaging platform with channels and file sharing
- [Live Demo](#) — [Github](#)

AI/ML

AnhEmTravelling

AWS, React.js, LLM, Google Maps API

- Created AI-powered travel planning app with map visualization
- [Live Demo](#) — [Github](#)

Stock Price Prediction

Python, PyTorch

- Built predictive models using EMA, LSTM, and various ML algorithms
- [Report](#)

BLOCKCHAIN/WEB3

Web3 Food Supply Chain

Solidity, Foundry, Smart Contracts

- Developed supply chain tracking system using Chainlink Oracle and factory patterns
- [Github](#)

LunchVenue Smart Contract

Solidity, Testing

- Built decentralized voting system with automated testing and deployment
- [Github](#)

HONORS AND AWARDS

- IMC Trading Advanced Contest 2023 - 3rd Place (\$200 Prize) [[Competition](#)]
- South Pacific ACM/ICPC 2022 - 4th University, 6th Overall [[Certificate](#)]
- Facebook Hacker Cup 2021 - T-shirt Winner [[Certificate](#)]
- National Olympiad in Informatics 2020 - Silver Medal

VOLUNTEERING

Programming Subcom

(Mar 2023 - Dec 2023)

C++, Algorithm & Data Structure, Python

- Created problems, test cases, and solutions for university programming contests
- Contributed to CPMSoc Launch Week Contest and CPMSoc Rookie Code Rumble Contest [[Competition](#)]
- Mentored junior students in competitive programming and algorithm design