

Nam Truong

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Summary

Ambitious international undergraduate student pursuing a Bachelor's degree in Software Engineering at the University of Technology Sydney, with a clear goal of becoming a software engineer specializing in full-stack software development. Equipped with a solid theoretical and technical foundation in data structures and front-end web design, eager to translate academic knowledge into practical experience within the IT industry. Committed to collaborating with industry professionals to refine technical skills while enhancing teamwork and communication abilities. Passionate about leveraging innovative technologies to create impactful web solutions.

Experience

UTS Optik Consultancy

32/34 Lord St, Botany NSW 2019, Australia

Front-end Developer

May 2025 - August 2025

- Collaborated with a real-world furniture upholstery business client to gather system requirements, identify operational pain points and define expected outcomes through multiple client meetings.
- Participated in UX/UI design by applying wire-framing techniques, structured layouts and form validation to streamline job creation and improve workflow efficiency.
- Front-end development of "pages" using React, building a job entry form and a responsive job table to display scheduled tasks.
- Integrated front-end components with RESTful APIs developed by the back-end team to ensure real-time data updates and seamless user interactions.

Skills

UX/UI Design: Figma

Front-end Development: React, TypeScript, ReactJS

Back-end and Database Development: MongoDB, PostgreSQL, ExpressJS, NodeJS

Programming Languages: C++, Java, Python

Transferrable Skills: Teamwork, Problem-solving

Education

Bachelor of Engineering (Honours) (Software)

Sydney, NSW

University of Technology Sydney

2024 - 2026

Bachelor of Computer Science

Ho Chi Minh City, Vietnam

Ho Chi Minh University of Technology

2021 - 2023

Coursework

Database Fundamentals

University of Technology Sydney • 2024 • PostgreSQL, SQL

- Implemented and optimized database structures based on logical models using PostgreSQL syntax.
- Executed complex SQL queries, including JOIN operations, and clauses such as SELECT, HAVING, ORDER BY, and GROUP BY.
- Utilized normalization to simplify database tables, reduce redundancy, and enhance data integrity.

Data Structures and Algorithm

University of Technology Sydney • 2024 • C++

- Developed and implemented essential member functions (constructors, destructors, push/pop, insert/erase nodes, size checks) for both doubly and singly linked lists.
- Designed and built an Index Priority Queue data structure leveraging binary heap properties, implementing key operations (push, pop, erase, contains, changeKey) and heap maintenance functions (swim, sink).
- Implemented shortest path algorithms including Bellman-Ford with edge relaxation techniques for directed, weighted graphs.
- Developed multiple implementations of Dijkstra's algorithm (Lazy priority queue, Index Priority Queue with changeKey optimization, and std::set-based method) to evaluate efficiency and performance on large datasets.

Project

Optik Consultancy | Production Scheduling Software Development for SME

github.com/progkiryu/Brand-Furniture

May 2025 - August 2025

- Collaborated with a real-world furniture upholstery business client to gather system requirements, identify operational pain points and define expected outcomes through multiple stakeholder meetings.
- Participated in UX/UI design by applying wire-framing techniques.
- Front-end development of "pages" using React, building a job entry form and a responsive job table to display scheduled tasks.
- Integrated front-end components with RESTful APIs developed by the back-end team to ensure real-time data updates and seamless user interactions.