

# Thanh Nguyen

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## EDUCATION

### Australian National Univeristy

Bachelor of Information Technology - GPA: 6.5/7.0

Canberra, ACT

Expected Graduation - Nov 2025

## EXPERIENCE

### Software Engineer Intern

Feb 2025 – March 2025

Lyra Technologies

Sydney, NSW

- Built a **Chrome Extension** using **Next.js**, **TypeScript** and **Drizzle ORM** to scrape and store web data, improving data retrieval efficiency by **50%**
- Leveraged **AWS S3** for scalable storage, enabling robust and efficient retrieval for high-volume data
- Utilized **tRPC**, **Google Cloud Platform**, and **Gmail API** to deploy a robust backend system, reducing Gmail syncing process runtime by **35%**

### Software Engineer

Feb 2025 – Present

Pookie

Canberra, ACT

- Lead a cross-functional team of **7**, including **3 front-end engineers**, to deliver a Career Analytics platform that connects job seekers to small-to-medium enterprises
- Develop reusable UI components using **React**, **TailwindCSS** and **Figma**, reducing development time by **25%** across multiple projects
- Collaborate with stakeholders and clients in weekly **Agile** and **Scrum** meetings, streamlining project workflows and ensuring a **95%** on-time delivery rate

### Software Engineer Intern

Nov 2024 – Jan 2025

FPT Software

Hanoi, Vietnam

- Engineered a **microservices-based** MVC architecture using **Spring Boot** with robust authentication and authorization using **Spring Security** and **JWT Authentication**
- Constructed **RESTful API** endpoints using **Spring Boot**, **Spring Data JPA**, **PostgreSQL**, with **Liquibase** to streamline database maintainence

### Undergraduate Researcher

May 2024 – September 2024

Australian National University

Canberra, ACT

- Optimized data scraping process by utilizing **Scrapy**, increasing data extraction speed by **30%**
- Developed a radar chart - data visualization tool using **Pandas**, **Numpy**, and **Matplotlib**

### Software Engineer Intern

Nov 2023 – Jan 2024

Mobifone

Hanoi, Vietnam

- Engineered **RESTful API** endpoints using **Spring Boot**, improving system reliability by **55%**
- Formulated **MySQL** queries to handle data manipulation using **Spring JDBC** and **Spring Data JPA**, reducing data retrieval time by **40%**

## PROJECTS

### Airtable Clone | Next.js, tRPC, TypeScript, TailwindCSS, Prisma, PostgreSQL

- Engineered a full-stack database platform using **Next.js**, utilizing **TanStack Library** to handle **15,000+** records with infinite scrolling mechanism
- Established **20+** API endpoints using **tRPC** to build a robust backend system, integrating filter, sort, and search engine

### Recycling Center | Java, Firebase, XML

- Led a team of **5** members to develop a full-stack Android application in 6 weeks, personally contributed to **1000+** lines of code
- Utilize **Java** and **Firebase** to develop user authentication and direct message feature, ensuring a robust backend system with less than **1s** real-time delay

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, TypeScript, Python, HTML/CSS, C, PostgreSQL

**Libraries/Frameworks:** Next.js, React, tRPC, Spring Boot, TailwindCSS, Flask, Scrapy, Numpy, Pandas, Matplotlib

**Tools:** Git, Prisma ORM, Vercel, Postman API, pgAdmin, Supabase, Neon, Railway