

# Leo Tran

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## EDUCATION

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- **Monash University** Clayton, VIC  
*Bachelor of Computer Science* April 2024
- **De Anza College** Cupertino, CA  
*Associate in Science* June 2021

## EXPERIENCE

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- **P&Q Trading** Springvale, VIC  
*Graduate Software Engineer* June 2024 - December 2024
  - **Designed and implemented a microservices architecture:** Developed 5 APIs (identity, profile, notification, product, and core services) using Spring Boot, integrating MySQL, Neo4J, and MongoDB; streamlined centralized access with Spring Cloud Gateway, improving system scalability and reducing latency by 20%.
  - **Optimized inter-service communication and deployment:** Enabled seamless downstream service integration with OpenFeign, distributed real-time notifications via Kafka, and deployed on GCP, enhancing throughput by 15% and supporting 10,000+ daily users.
- **Infosys** Melbourne, VIC  
*Software Engineer Intern* January 2024 - April 2024
  - **Led a team of 4 interns:** Built a full-stack application using Python, TensorFlow, Hugging Face, and React, deployed on AWS Lambda and S3; integrated multilingual subtitles into Infosys Australia's platform, cutting costs by 30% for 5,000+ users.
- **Nasdaq** Sydney, NSW  
*Software Developer Intern* December 2022 - September 2023
  - **Automated and scaled stock transaction alert system:** Built an end-to-end CI/CD pipeline using Jenkins, Git, Docker and Maven on AWS EKS, reducing manual deployment effort by 2 hours per cycle and speeding up releases for a multi-region stock alert system.
  - **Collaborated on scalable Nasdaq Alert Retriever:** Worked with 20+ team members in Agile to design a Java-based, JUnit-tested Maven project for retrieving and writing trading market data, deployed on AWS for high scalability and reliability.
- **GAOTek Inc** Melbourne, VIC  
*Software Engineer Intern* July 2022 - October 2022
  - **Enhanced mobile app security and performance:** Developed OAuth2 and JWT-based authentication using Spring Boot, PostgreSQL, and Redis cache, replacing Firebase; reduced API response time from 200ms to 150ms.
- **Naa Technology** Cupertino, CA  
*Software Developer Intern* April 2021 - January 2022
  - **Built full-stack NFC/QR sharing application:** Designed REST/CRUD architectures with Spring Boot and MySQL for a personal info-sharing app using NFC and QR codes; deployed on AWS EC2 for reliable access.
  - **Developed product recommendation system:** Engineered a collaborative filtering system in Python with matrix multiplication, managing 7,000+ user datasets; written testing with JUnit for robust isolation, achieved a 35% boost in recommendation accuracy.

## PROJECTS

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- **UmeTalk:** GitHub: [github.com/phantom037/umetalk-mobile](https://github.com/phantom037/umetalk-mobile)  
Developed a scalable social media app (200+ users) with Flutter, using Firebase for auth, Firestore for real-time messaging. Implemented Kafka message queues for posts, notifications to reduce server load, and optimized newsfeed retrieval by implementing on-demand post fetching from MySQL with 40% improving retrieval speed.

## PROGRAMMING SKILLS

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- **Languages:** Java, Python, Go, Dart, SQL, Bash
- **Frameworks & Tools:** Spring Boot, Flask, Flutter, Docker, MySQL, Neo4J, MongoDB, Kafka, Jenkins, AWS, GCP