

# LAU SHENG CHER

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## SUMMARY

Third-year computer science student with experience in full-stack web development using cutting-edge technologies such as React.js, Next.js, GraphQL, TypeScript and more. Passionate about staying up-to-date with the latest technologies and trends in the field. A dedicated team player who collaborates effectively to achieve project goals.

## PROJECTS

### Social Forum, Universiti Malaysia Terengganu — November 2022–Present

- Built with Next.js, Mantine UI, Apollo Server, GraphQL and Prisma.
- Developed using a microservice architecture, which allowed for greater scalability and maintainability.
- Leveraged version control tools such as Git to maintain code quality.
- Implemented features such as discussion forums, communities, private messaging, and user profiles.
- Demonstrated proficiency in web development, database management, and project management skills.

### Luxury E-Commerce, Universiti Malaysia Terengganu — November 2021-January 2022

- Integrated third-party service Stripe for secure payment processing and deployed the application on Heroku.
- Utilized Node.js as the primary back-end technology and employed client-server architecture.
- Coordinated with team members to curate and edit all products featured on the platform.
- Gained experience in developing e-commerce applications using modern web technologies.
- Leveraged version control tools such as Git to maintain code quality and enable collaborate with team members.

### Online Banking System, Universiti Malaysia Terengganu — April 2021-July 2021

- Mainly built with Java Swing.
- Created a custom encrypted database to securely store user information.
- Implemented password hashing using bcrypt for added security.
- Connected with API to exchange currency according to real-time exchange rate.
- Demonstrated proficiency in Java swing and Object-oriented programming concepts.

## EDUCATION

Universiti Malaysia Terengganu, Kuala Terengganu, Terengganu - Bachelor Degree of Computer Science with Maritime Informatics, CGPA 3.96, 2024

Heng Ee High School, George Town, Penang - Malaysian Higher School Certificate, CGPA 2.34, 2019

## COURSEWORK

Programming, Networking, Object-Oriented Programming, System Analysis and Design, Software Project Management, Database, Intelligence System, Web-Based Application Development, Cyber Security

## SKILLS

Languages: Mandarin, English, Bahasa Malaysia

Programming: Java, Kotlin, Python, JavaScript, TypeScript, Lua

Integrated Development Environment: Visual Studio Code, Netbeans, IntelliJ IDEA

Source Control Management: Git

Front-End Frameworks: React, Next.js

## REFERENCES

Dr. Rozniza Binti Ali (FYP Supervisor) | FTKKI, Universiti Malaysia Terengganu | ✉ rozniza@umt.edu.my  
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