

ZHENNI LIN

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Education

Stockholm University

Master of Science in Information Security

Aug. 2023 – June 2025

Stockholm, Sweden

Macau University of Science and Technology

Master of Business Administration - BBA Professional Marketing Track

Aug. 2019 – June 2023

Macau, China

Work and School Experience

Luday

Full Stack Developer - Internship

Aug 2024 – Present

Stockholm

- **Dockerized** the application to streamline development setup, improve productivity, and ensure a consistent environment.
- Applied **Agile principles** and participated in **daily Scrum meetings** to improve communication between teams and ensure timely project delivery. Increased efficiency and consistently met client timelines.
- Participate in **microservices** development in **Python, Flask, Next.js, BitBucket, CD/CI Pipeline, and Docker** for business management systems. Helped the team resolve project bugs and meet client requirements.

Stockholm University

Group Project - Cyber Forensics Lab Project

Mar 2024 – May 2024

Stockholm, Sweden

- Conducted comprehensive network forensics analysis as part of lab assignments, utilizing tools such as Wireshark, Autopsy/FTK Imager, and Kali Linux VM to investigate and document network intrusions and suspicious wireless traffic
- Employed forensic methodologies to analyze .pcap files, identifying sources and destinations of suspicious traffic, transport layer protocols, and potential attack techniques.
- Investigated potential network intrusions by analyzing network traffic captures and Linux server images, correlating evidence and generating detailed reports on findings.

Projects

Portfolio

Book Management Application | React, Vite, Tailwind CSS, Spring Boot, MySQL, Stripe, AWS

October 2024

- Built a book management platform with **React + Vite** for frontend, using **Redux Toolkit** for state management, and **Spring Boot** for backend to develop a **RESTful API**. Users can search, borrow, return books, leave ratings and comments, and handle late return fees, while admins manage book data and inquiries
- Implemented **OAuth2 authentication** via **Okta** to ensure secure user login. Integrated **Stripe** for handling late fees and related payments
- Migrated the database from **local MySQL** to **AWS RDS**, deployed the application on **EC2** and **S3**, and secured communications with **SSL/TLS certificates (AWS ACM and CloudFront)**.

The Wild Oasis | Vite, React, Styled-Component, Supabase

February 2024

- Developed a **full-stack application** for a small boutique hotel with 8 luxurious wooden cabins, incorporating **Supabase** for backend data management and authentication, and implementing **React Router** for project routing.
- Created an internal system for staff to check hotel bookings, cabins, and handle guest check-ins and check-outs.
- Utilized **React Query** for remote state management and **Context API** for UI state management to enhance data handling, allowing for **CRUD operations** on bookings, cabins, and check-in/check-out data with Supabase.
- Styled the application with **Styled-Components** and implemented form management with **React Hook Form**, integrating libraries such as **React Hot Toast, Recharts, React Icons**, and **date-fns** for components.

Fast React Pizza App | Vite, React, React Router, Redux, Tailwind CSS

December 2023

- Built a **single-page application (SPA)** using **Vite** and **React**, incorporating **React Router** for routing and data.
- Utilized **React Router's** data loading to manage the global remote state, enhancing interactivity and responsiveness.
- Styled the project with **Tailwind CSS**, resulting in a visually appealing and user-friendly interface for interaction.
- Implemented global UI state management using **React Redux, Redux Toolkit**, and **Redux Thunk**, enabling users to seamlessly order pizzas and have them delivered to their homes.

Technical and Additional Skills

Programming Languages: Java, Python, Javascript, SQL, Typescript, HTML, CSS

Other Technologies: MyBatis, Redis, React, Vite, Next.js, Maven, Junit, Tailwind CSS, Redux, Linux, Ubuntu, MS Office, Git, Visual Studio Code, IntelliJ IDEA, Postman, Wireshark, Latex, Virtualbox, Docker, BitBucket

Language: Fluent in English and Mandarin(native), basic Cantonese