

## Shao Wei Lau

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Personal Website: <https://sw0925.netlify.app/>

### AVAILABILITY

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- Summer Internship, Full-Time (June 2024 - August 2024)
- Part-time Internship (2-3 days per week)

### EDUCATION

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**Nanyang Technological University, Singapore**

Aug 2021 - May 2025

**Bachelor of Engineering (Computer Science)**

- Current CGPA: 4.49/5.00
- Courseworks – Data Structure and Algorithms, Data Science and AI, Introduction to Database, Software Engineering, Object-Oriented Programming, Natural Language Processing, Machine Learning, Data Analytics & Mining

### WORK EXPERIENCES

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**AASTAR Trading, Singapore**

Dec 2023 - Present

**Intern | Full-Stack Engineer**

- Revamp the UI of the company's business portal using React.js and JavaScript to enhance user experience.
- Collaborate closely with stakeholders to gather requirements, design and develop features to meet their needs.

**Energy Research Institute@NTU, Singapore**

May 2023 - Nov 2023

**Intern | Student Assistant (Finance and Asset Team)**

- Liaised with researchers and professors to check on the status of ERIAN's assets.
- Presented the progress, prepared and sent out weekly meeting minutes.
- Collaborated closely with 4 other colleagues to tally the quantities of assets.

### PROJECTS AND COMPETITIONS

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**Tastebudds E-Commerce Website - Personal Project**

- Developed reusable components with ReactJS to modularise the web application.
- Utilised Node.js and Axios to send or retrieve user's data to or from the database
- Designed and built the database to store users' credentials using MongoDB.

**Nanyang Technological University, Singapore**

Jan 2023 - May 2023

**SC2006 Software Engineering - Designed a calorie tracker and recipe recommendation web application**

- Developed more than 10 components with ReactJS to modularise the web application.
- Collaborated with a team of 4 peers in building and enhancing the recipe recommendation application.
- Redesigned the user interface with Figma to improve user experience.
- Designed and built the database to store users' credentials using Firebase.

**Institute of Electrical and Electronics Engineers**

Feb 2023 - Feb 2023

**iNTUition v9.0 Hackathon - Built an AI tool that can summarise research articles**

- Cooperated with 3 peers in building the AI converter.
- Developed the frontend of the application with ReactJS in 1 day.

**Machine Learning and Data Analytics@EEE**

Aug 2022 - Feb 2022

**Deep Learning Week Hackathon - Developed a web application for object identification**

- Semi-finalist
- Competed against 200+ participants from nationwide.

## SKILLS

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**Languages:** Mandarin, English, Cantonese, Malay

**Programming Skills:** Java, Python, C#, HTML, CSS, JavaScript, React.js, Bootstrap, Figma, Tailwind CSS, Node.js, Express.js, Next.js, .Net, SQL, MongoDB, Firebase, Microsoft Excel, Git

## ONLINE COURSES

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- **The Complete Web Development Bootcamp 2022**
- **React - The Complete Guide 2023**
- **Google Data Analytics Professional Certificate**

## CO-CURRICULAR ACTIVITIES

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**NTU Hall of Residence 7** Aug 2023 - Present  
**Hall Badminton Captain**

- Conduct a 5 hours training session once a week to improve players' skills.
- Lead a team of 12 players in competing the Inter-Hall Games.

**NTU Hall of Residence 7** Aug 2022 - Aug 2023  
**Hall Basketball Captain**

- Conduct a 2 hours training session once a week to improve players' skills.
- Lead a team of 10 players in competing the Inter-Hall Games.

**NTU Malaysian Students' Association** Oct 2021 - Aug 2022  
**Programmer and Welfare Subcommittee**

- Liaised with other committees in implementing events such as Chinese New Year Night, Freshman Orientation Camp.
- Facilitated matriculation process for incoming freshmen.

**Chung Ling High School Singapore Students' Association** Sep 2021 - Sep 2022  
**Vice President**

- Liaised accordingly with core departments to produce efficient work in accordance with finalised project timeline.
- Arranged and carried out a virtual senior sharing session to provide relevant information to potential students.
- Guaranteed smooth success of virtual Senior Talk event with 200+ participants in total.