

LIM SHAO KIAT

(+65) 96789293 | shaokiat@u.nus.edu | <https://shaokiat.xyz> | [GitHub](#) | [LinkedIn](#)

EDUCATION

National University of Singapore
Bachelor of Computing in Computer Science

Aug 2019 – Present
(Graduating May 2023)

- 2nd Class (Upper) Honours

TECHNICAL SKILLS

- **Programming:** JavaScript, TypeScript, Python, Java, Solidity
- **Frontend:** ReactJS, NextJS, TailwindCSS
- **Backend:** NodeJS, MongoDB, PostgreSQL
- **Dev Ops:** AWS ECS/EKS, Kubernetes, Docker

WORK EXPERIENCE

Nested Technologies — Singapore
Software Engineer Intern

May 2022 – Aug 2022

- Advised and implemented suitable AWS hosting services with proper cost analysis, successfully reduced hosting cost by 30%.
- Handled deployment of web applications on AWS ECS and EKS to ensure scalability with zero downtime of web applications, with appropriate CI/CD on GitHub. (**Kubernetes, Docker, ECS, EKS**)
- Improved and debugged the core web scraping feature of the application; Implemented new ways of scraping for more elaborate information. (**Python, Pyppeteer, Django**)

Contranect — Singapore
Software Engineer

Dec 2021 – Feb 2022

- Implemented real-time chat system from ground up, which is a critical part of the main product. (**Apollo GraphQL, ReactJS, MongoDB, Tailwind CSS**)
- Handled deployment, continuous integration, and continuous delivery for the web application using amazon web services, making it production ready. (**ECS, Docker**)

Micron Semiconductor Asia — Singapore
Data Science Intern

May 2021 - Jul 2021

- Aided in increasing the yield of wafer production to 86% using Machine Learning and Gaussian Principles, reducing cost of production by an exponential amount.
- Developed a data science web application by integrating existing algorithms into usable interface which resulted in >50% of engineers having access to it. (**Python, Streamlit, Dash, Sklearn**)
- Conducted non-linear regression models to map the correction offset of manufacturing defects in the wafers, with the intention of raising production yield.

PROJECT EXPERIENCE

Blockchain Developer, DeFi

Dec 2021 – April 2022

- Hosted DeFi projects on various crypto chains such as Fantom and Cronos network, with an accumulated TVL of 2 million.
- Developed smart contracts using Solidity and successfully deployed them onto the Fantom network and integration with React framework.

Hackathon Finalist, Citi HackOverflow 2022

Aug 2022 – Aug 2022

- Finished as top 5 finalists out of 24 teams and was awarded most Outstanding Presentation.

CO-CURRICULAR ACTIVITIES

Senior Student Developer, Raffles Hall DEVS

Aug 2020 – Jan 2022

- Directed key backend implementation for RHAPP project feature, leading to successful launch at the end of summer vacation 2021
- Led a team of 3 junior student software developers in an inter-hall hackathon, successfully displaying innovative solutions and technical capabilities.