

# THOMAS HO LOK WAH

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## EDUCATION

### NATIONAL UNIVERSITY OF SINGAPORE

Aug 2021 – May 2025

#### Bachelor of Computing in Computer Science

[Expected]

Modules taken: Object oriented programming, Data structures and algorithms, Computer networks, Software engineering, Computer organisation

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, Dart, C/C++, Typescript, Javascript
- **Software Framework:** Flutter, NodeJs, ExpressJs, ReactJs
- **Containerization Technologies:** Docker

## WORK EXPERIENCE

### Cyber Security Engineer Intern, watchTowr Python | Docker

Jun 2022 – Jul 2022

- Collaborated closely with security researchers to research on ways that can automate findings for multinational corporations' attack surfaces and vulnerabilities
- Reduced the amount of work in penetration testing by churning out more than 20 Python scripts in two months and deployed them on Apache Airflow using Docker
- Scanned Alexa top 10000 domains to hunt for misconfigured open buckets on their cloud storages such as AWS S3, GCP buckets and Azure Blob (<https://github.com/ThomasHoooo/cloud-storage-leakage>)

## PROJECTS AND COMPETITIONS

### Tech Lead, [I'm Friendly Co](#) ReactJs | ExpressJs | NodeJs | MongoDB

- Developed a full-stack web chat application to serve over 30 users with mental health issues and received a feedback of 4.7/5.0 on the user experience
- Implemented CI/CD pipeline on Github Actions to automate testing, updating and deploying website on AWS EC2
- Conducted weekly sprints and led a team of 10 student software developers to implement new features using Agile methodologies

### Team Lead, MyInsuRec Java | JavaFx

- Developed a Java desktop application which aids financial advisors in their daily tasks
- More details of my contribution can be found at this [link](#)

### Developer, [Project Dequeue](#) Flutter | Firebase

- Developed and designed a full stack Android app for NUS students to buy and queue for food virtually to minimise COVID-19 transmission

## CO-CURRICULAR ACTIVITIES

### Programmes Head, NUS Computing Club External Cell

Dec 2021- Jun 2022

- Organised a Wikithon in collaboration with SocialCollab to tackle various social issues in Singapore
- Provided a platform for undergraduates to brainstorm innovative technology ideas to improve on various underserved communities' situations

## ADDITIONAL INFORMATION

- Fluent in English, Mandarin, Cantonese (spoken and written)