Goh Jun Yi

+65 96570066
gohjunyi00@gmail.com | LinkedIn | GitHub

EDUCATION

National University of Singapore
Bachelor of Computing (Honours) in Computer Science, Class of 2025
Cum. GPA: 4.95/5.0
▪ Teaching Assistant for CS1101S AY22/23 Sem 1

SKILLS

Languages
Python ▪ Java ▪ JavaScript ▪ TypeScript ▪ C ▪ Ruby ▪ SQL ▪ HTML ▪ CSS ▪ Bash

Libraries, Frameworks & Tools
PostgresSQL ▪ MongoDB ▪ React ▪ Rails ▪ Flask ▪ PyTorch ▪ TensorFlow ▪ Docker ▪ Nginx ▪ Git

AWARDS

NUS Dean's List Award AY22/23 Sem 2
▪ Awarded to the **top 5-10%** of the cohort

NSF of the Year 2021
▪ Awarded for spearheading initiatives to improve work environment and processes
▪ Selected from **over 300 NSFs** from the formation

PROJECTS

Opus | To-do list manager

▪ Built with React, Redux, Ruby on Rails & PostgresSQL
▪ Clean and intuitive UI design with drag-n-drop components and touchscreen support

EXPERIENCE

Google Developer Student Club NUS
Singapore, Software Engineer, August 2022 – Current

▪ Creating an online learning platform for Dyslexic Association of Singapore that is engaging and customised to dyslexic students' learning needs by using a multi-sensory approach
▪ Developing a progressive web application using React, NestJS and Recoil

Computing for Voluntary Welfare Organisations (CVWO)
Singapore, Full Stack Engineer, May 2022 – July 2022

▪ Led a team of 3 on the implementation of 2 factor authentication (**SingPass**, Email) to enhance access control for 2 organisations
▪ Deployed staging environments with Capistrano, Nginx and GitLab's CI/CD
▪ Spearheaded the **upgrade of Ruby on Rails** backend from 5.2.0 to 6.1.6, removing unsupported gems and upgrading dependencies
▪ Maintained **relational databases** on PostgreSQL and backend APIs for a decade old Ruby on Rails application

Medical Operations Task Force (MOTF)
Singapore, Computer Vision Engineer, April 2020 – May 2020

▪ MOTF was formed in 2020 to assist Ministry of Health (MOH) in managing the rise in Covid-19 cases
▪ Developed **3D visualisation web application** of Covid-19 cases for spatial analysis of spread with DeckGL
▪ Trained machine learning models on **graph database** to predict potential Covid-19 clusters

Singapore Armed Forces (SAF)
Singapore, Computer Vision Engineer, March 2020 – July 2021

▪ Designed **database architecture** to track the training and testing of machine learning models against datasets and metrics
▪ Maintained and developed **task management extensions** for an in-house geospatial software and QGIS separately with Java
▪ Created docker images for deployment of applications to various military units

HACKATHONS

NUS LifeHack 2022 | *Recyclops* – *Winner*

▪ Awarded Theme Best out of **413 participants**
▪ Built with React, Ionic, Flask, PyTorch
▪ Developed the flask backend and necessary endpoints
▪ Trained and served image classification model on Flask

NUS Hack&Roll 2022 | *footprint* – *Best Freshman Hack*

▪ Awarded Best Freshman Hack among **700 participants**
▪ Built with React, TypeScript, Ruby on Rails and PostgresSQL
▪ Developed frontend 3D map view and visualisation of routes taken