Amos Liew

INFORMATION SYSTEMS MAJOR · NATIONAL UNIVERSITY OF SINGAPORE

☐ +65 86145787 | ✉ amos.liew@u.nus.edu | ⌂ amos-liew.vercel.app | ⌨ amoscookeh | in amosliew13

Education

National University of Singapore   *Singapore*

BACHELOR OF COMPUTING (HONOURS) IN INFORMATION SYSTEMS   *Aug. 2020 - Present*

- CAP: 4.46/5.00
- Undergraduate Teaching Assistant: CS2030 Object Oriented Programming and Functional Programming
- Student Co-curricular Activities: Sheares Media Videography Head, Block Committee Member, Track & Field

Skills

Programming   Python · Java · Javascript · Dart · Jakarta EE · PostgreSQL
Technologies   Flutter · ReactJS · TailwindCSS · Flask · ExpressJS · Firebase · Heroku · MongoDB · Git · OpenCV

Work Experience

BeeX Private Limited   *Singapore*

INCOMING FULL STACK ENGINEER INTERN   *May. 2022 - Jul. 2022*

Skittle Private Limited   *Singapore*

FULL STACK DEVELOPER INTERN   *Dec. 2021 - Current*

- Oversaw the fullstack design and development of Skittle's Reservation Management feature, which is currently serving 10 local restaurants.
- Designed frontend mockups of the reservation feature based on existing Clients' needs, using Figma.
- Planned and carried out the migration of Skittle's existing backend to a centralized backend with API microservices that utilises RDB.
- Tech stack: Python | ReactJS | TailwindCSS | ExpressJS | AWS Elastic Beanstalk | AWS RDS | PSQL

Kinexcs Private Limited   *Singapore*

SOFTWARE DEVELOPER INTERN   *May. 2021 - Aug. 2021*

- Designed and implemented data-driven front-end features for a cross-platform mobile application, currently serving over 30 customers.
- Managed a team of 6 to concurrently develop and manage the release of 2 software products as Software Team Lead.
- Headed the development of a Computer Vision powered AI Physiotherapist MVP with a team of 2 other interns.
- Tech stack: Python | Flutter | OpenCV | MediaPipe | Aruco

Projects

Bill Splitting Web Application with Receipt image parsing   *Team of 3*

PAYMELAH BOT   *Dec. 2021*

- Programmed a Web App and Telegram Bot with OCR technology to facilitate in the message generation process for the bill splitting process.
- Currently being utilised by 23 users at least once every 2 weeks.
- Tech stack: Python | Python-Telegram-Bot | NextJS | Typescript | TailwindCSS | Heroku | Vercel | Tabscanner API

Robotic Turtle for Micro-plastic Cleaning   *Team of 5*

SEETURTLE   *Sept. 2021*

- Designed and 3D modeled a Robotic Turtle with the purpose of micro-plastic collection in oceans.
- Developed and deployed a Web Application for Ocean waste management education through the live-streaming of footage from the robo-turtle.
- Project was awarded Best Design under the SUTD What The Hack 2021, a 24-hour Hackathon.
- Tech stack: TinkerCAD | NextJS | TypeScript | TailwindCSS | Firebase | Vercel

Gamified Financial Tracker   *Team of 2*

PIGUP!   *May. 2021 - Aug. 2021*

- Targeted at youths, it is a cross-platform mobile application that incentivizes good financial habits through an interactive mobile virtual pet pig.
- Project was awarded the Highest level of achievement - Artemis (Extreme) under CP2106 - NUS Independent Software Development Project.
- Tech stack: Flutter | Python | MongoDB | Flask | Heroku