

ALWYN ONG

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EDUCATION

SINGAPORE MANAGEMENT UNIVERSITY - Bachelor of Science (Information Systems) 2018 – 2022

On course for: Magna Cum Laude (High Distinction)

Teaching Assistant (CS102 Programming Fundamentals II)

PROFESSIONAL CERTIFICATION

AWS Certified Solutions Architect – Associate from AWS 2021 – 2024

Oracle Certified Foundations Associate, Java from Oracle 2020

EXPERIENCE

ZENDESK - Software Engineer Intern Aug 2021 – Dec 2021

- Created new model and REST endpoint in Flask application, triggering RPC calls to Twisted application and vice versa
- Improved deploy process for Flask application, reducing deploy time by 77% (Python Fabric), improving reliability
- Removed fully rolled out feature gates, improving operability, performance as well as reducing code complexity
- Improved event tagging on Sentry connected applications, improving monitoring through more detailed logging
- Added new model fields for Flask app, updated React components to create/edit, display and search by new fields.

DBS BANK - Software Engineer Intern (Young SEEDer Program) May 2021 – Jul 2021

- Involved in building microservices exposing legacy systems via REST APIs in Java Spring Boot, connecting to MariaDB
- Performed Spring Boot migration update of various microservices
- Conducted research and proposed solution for migrating from Jhipster to Spring Cloud
- Improved CI/CD process via Jenkins for Python Flask module

GOVERNMENT TECHNOLOGY AGENCY - Developer Intern May 2020 – Aug 2020

- Developed SharePoint WebPart to help with various use cases (SharePoint Framework (SPFx), JavaScript)
- Developed system to track candidates utilising SharePoint platform (SharePoint REST APIs, JavaScript/jQuery)
- Setup, managed and updated information system for tech leads and recruiters to support recruitment event
- Setup NLP for form responses, automating scripts to call Google Cloud APIs via Google Cloud Platform (JavaScript)

COXPLORE – Software Developer Intern Vietnam Dec 2019

- Leveraged existing framework to fix and improve company website, fixing existing bugs and publishing new pages

PROJECT EXPERIENCE

Personal Website: www.alwynong.com (for additional information and projects) – [ReactJS]

Self Service Portal for Training Platform for VMWare – [ReactJS, Java (Spring Boot), Kubernetes]

- Self Service Portal to manage user access and automate dissemination of lab materials for use during workshops

Tutor Booking System – ([Github](#)) – [ReactJS, Java (Spring Boot)] – Website to list and book tutors based on timeslot

Shopping App – [Kotlin, TensorFlow] – Mobile App for grocery shopping, using image/voice recognition

Mahjong Score Calculator ([Github](#), [Live Demo](#)) – [ReactJS] – Website to help you calculate the score (tai) in mahjong

Vessel Tracking System for PSA - [Java (Spring Boot), HTML, CSS, JavaScript]

- Web Application to track and showcase information from client API, with automatic hourly and daily API calls

FBS Booker ([Github/Demo](#)) – [Python (Selenium)] - Automated Facility Booking System, reducing booking process time by 30%

SGLoveLah ([Github](#)) – [HTML, CSS, JavaScript, Python (Flask), AMQP (RabbitMQ), Docker, Python (Socket.IO)] Sample dating site

Bidding Website for Students (Mock Version) – [AWS, WAMP, HTML, PHP] – Mock website for student to bid modules

CO-CURRICULAR ACTIVITIES

Coder's Assembly (Mentor) Sep 2020 – Dec 2020

- Volunteered to mentor freshmen in their Introduction to Programming module (taught in Python)

Business Intelligence & Analytics – Data Associate Programme Dec 2019 – May 2020

- Conducted a 1.5 hour lesson on Web Scraping (Using BeautifulSoup and Selenium) for a class of 40 data associates

COMPETITIONS

JP Morgan Code for Good (Singapore) – Top 4 Oct 2020

CodeIT Suisse 2020 by Credit Suisse (Individual – 8th place) Sep 2020

SKILLS

- Technical skills: MySQL, Python (Selenium, BeautifulSoup, Flask), HTML, CSS, JavaScript (ReactJS, VueJS), WAMP, PHP, Java (Spring Boot), Kotlin, AWS, Github