ALWYN ONG

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EDUCATION

SINGAPORE MANAGEMENT UNIVERSITY	**2018 – 2022**

Bachelor of Science (Information Systems)
On course for: Magna Cum Laude (High Distinction)

PIONEER JUNIOR COLLEGE	**2013 – 2014**

GCE 'A' Levels

PROFESSIONAL CERTIFICATION

Oracle Certified Foundations Associate, Java from Oracle	**2020**
Certified Business Analytics Specialist (CBAS) from Global Science & Technology Forum	**2019**

EXPERIENCE

GOVERNMENT TECHNOLOGY AGENCY	**May 2020 – Aug 2020**

Developer Intern (Talent Acquisition Division)
- 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 regularly updated information system for tech leads and recruiters to support recruitment event
- Setup NLP (Sentiment Analysis, Removal of Stop Words) for form responses, automating scripts to call Google Cloud APIs via Google Cloud Platform (JavaScript)
- Wrote various scripts to help automate tasks (VBA)

COXPLORE	**Dec 2019**
Information Technology Intern	**Vietnam**

- Leveraged existing framework to fix and improve upon company website, fixing existing bugs and publishing new pages
- Setup Google Analytics on website and setup dashboard to collect data for analysis on user demographics
- Setup an automatic email reply system for new users to receive a confirmation email
- Refined and improved on business model for new feature on mobile app
- Helped with ideation for customer acquisition for mobile app
- Analyse current customer journey to come up with business process workflow model for process analysis

PROJECT EXPERIENCE

Mahjong Score Calculator (Github, Live Demo)	**Dec 2020**

- Technologies used: JavaScript, ReactJS
- Web Application to help you calculate the score (tai) in mahjong, based on your current tiles.

Personal Portfolio Website (Github, Live Demo)	**Dec 2020**

- Technologies used: JavaScript, ReactJS
- A website to showcase my portfolio

Vessel Tracking System	**Aug 2020 – Nov 2020**

- Technologies used: 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)	**Jan 2020 – May 2020**

- Technologies used: Python (Selenium)
- Created a program to automate booking of facilities like Group Study Room in school's Facility Booking System (FBS), reducing process time by 30%
- Video demo can be found on the Github page above

SGLoveLah (Github)   **Jan 2020 – May 2020**
- Technologies used: HTML, CSS, JavaScript, Python (Flask), AMQP (RabbitMQ), Docker, Python (Socket.IO)
- Created a sample dating website, blurs images and only unblurs upon both users pressing a "Ready Button"

Bidding Website for Students (Mock Version)   **Aug 2019 – Nov 2019**
- Technologies used: AWS, WAMP, HTML, PHP
- Created a website for students to bid for modules using eCredits, based on bootstrapped data into the database
- Worked with a team following agile methodologies like scrum
- Experience in iteration-boxing for scheduling
- Implemented various CRUD (Create, Update, Read and Delete) functionalities using PHP and HTML
- Created JSON APIs using PHP and HTML
- Experience in the various software product lifecycle stages like testing and deployment

CO-CURRICULAR ACTIVITIES

Coder's Assembly (Mentor)   **Sep 2020 - Present**
- Served as a mentor to help freshman with Introduction to Programming module (taught in Python)
- Volunteered in a new initiative by Ellipsis (SMU Information System Student Society) to mentor freshmen in their Introduction to Programming module (taught in Python)
- Organised weekly group sessions to provide consultation and track mentee's learning progress
- Shared tips and tricks on Python and programming in general

Business Intelligence & Analytics   **Dec 2019 - Present**
- Joined the Data Associate Programme – Learning about data analytics and data science, with a term long project
- Conducted a 1.5 hour lesson on Web Scraping (Using BeautifulSoup and Selenium) for a class of 40 data associates

Facilitator (Red Cross Camp)   **Aug 2019**
- Led a group of freshmen through various activities and lessons to help them learn about first aid as well as giving back to the society, ensuring their safety and welfare
- Inculcate SMU CIRCLE(Commitment, Integrity, Responsibility, Collegiality, Leadership, Excellence) values in them

COMPETITIONS

JP Morgan Code for Good (Singapore) – Top 4   **Oct 2020**
- Participated in hackathon with over 180 participants, helping to develop a MVP for 4 different NGOs
- Emerged top 4 for NGO assigned with a group of 7 participants

CodeIT Suisse 2020 by Credit Suisse (Individual – 8th place)   **Sep 2020**
- Participated in hackathon with over 100 participants and achieved 8th place in individual category

Ellipsis Tech Series Hackathon presented by Goldman Sachs   **Sep 2020**
- Technologies used: HTML, CSS, JavaScript, Python
- Created a MVP for simple financial dashboard

TECHNICAL SKILLS

- Databases: MySQL, Python
- Frontend: HTML, CSS, JavaScript, ReactJS
- Backend: Python (Flask), WAMP, PHP, REST APIS, AMQP (RabbitMQ), Python (Socket.IO), Java (Spring Boot)
- Data Visualisation: Tableau
- Data Analytics: Python (numpy, pandas, matplotlib)
- Deployment: AWS, Docker, Heroku, Netlify

ADDITIONAL INFO

Language fluency: Bilingual in English and Mandarin