

Ferne Lo

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Education

Bachelor of Science (Information Systems)

Aug 2017 – May 2021

Singapore Management University

- Majoring in Software Development

GCE 'A' Levels

2015 – 2016

Catholic Junior College

Work Experience

VisionTech

Feb – June 2021

Fullstack Developer (Intern)

- Worked on the DataSense project and fixed bugs for user interface and admin module
- Implemented some frontend functionalities on the user interface

Auk Industries

May – Aug 2019

Industrial IoT Engineer (Intern)

- Implemented SKU management system to allow clients to tag machine data to production output, allowing more options for tagging in future development
- Provided insight on how best to accurately categorise overlapping Overall Equipment Effectiveness data and implemented the calculation and visuals of this existing data
- Implemented tagging for non-operating machine hours, to avoid the overall calculated result getting negatively impacted
- Tested and integrated the above and other features which were rolled out to production
- Designed and created HTML feature newsletters to be sent to clients
- Assisted Enterprise Singapore workshop participants in an exercise demonstrating how the device works, took part in field deployment, with post-deployment fine-tuning to improve reflected accuracy

Yap Chin Kong Endoscopy and Liver Clinic

Aug – Sep 2018

Web Developer

- Revamped existing website according to client's requirements
- Improved the navigation flow to reduce the clicks taken to view patient education materials
- Converted data from PDF printouts to a more responsive design, taking into account the non-standardised resolution of assets and incorporating them into the information accordingly

Skills

Main programming languages: JavaScript (React, Vue, Express), Python

Others: Java, PHP, R, SQL

Also worked with: Amazon Web Services, GitHub, Google Cloud Platform, Linux, Microsoft Office (+ VBA in Excel), Visual Studio Code, Android Studio, Heroku, MySQL, PostgreSQL, Selenium, Unity

Spoken & written languages: English, Mandarin

Certificates

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| Associate Cloud Engineer Google | Aug 2020 |
| Architecting with Google Compute Engine Specialization Coursera | Jul 2020 |
| Android Certified Application Developer Advanced Training Consultants | Jun 2020 |
| Mixed Reality Developer Course HelloHolo | Dec 2019 |
| Data Science Introduction (Python) Upcode Academy | Jan 2019 |

Community Service and Misc.

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| TraceTogether <ul style="list-style-type: none">• Manned the distribution booths and distributed TraceTogether tokens to residents• Carried out the administrative role of scanning QR codes and keying residents' details• Assisted with queue management and answered queries from the residents• Also helped with other miscellaneous tasks when the Community Centre required it | Jan – Feb 2021 |
| Ellipsis Tech Series Hackathon <ul style="list-style-type: none">• Participated and entered the top 10 teams in developing a financial planning web application• Implemented dynamic monitoring dashboards with detailed visuals• Web scraped to obtain financial data from an otherwise rate-limited API | Sep 2020 |
| Lee Ah Mooi Old Age Home <ul style="list-style-type: none">• Accompanied and aided the elderly beneficiaries in simple exercises to keep them active• Encouraged and engaged with the visually impaired to let them feel more included and cheerful during activities | Jul – Aug 2017 |