**Lo Huifen Ferne**

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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), 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**

**Associate Cloud Engineer** Aug 2020

Google

**Architecting with Google Compute Engine Specialization** Jul 2020

Coursera

**Android Certified Application Developer** Jun 2020

Advanced Training Consultants

**Mixed Reality Developer Course** Dec 2019

HelloHolo

**Data Science Introduction (Python)** Jan 2019

Upcode Academy

**Community Service and Misc.**

**TraceTogether** Jan – Feb 2021

* 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

**Ellipsis Tech Series Hackathon** Sep 2020

* 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

**Lee Ah Mooi Old Age Home**  Jul – Aug 2017

* 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