

CHAN JING WEI

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TECHNICAL WORKING EXPERIENCES

Shopee | Senior Software Engineer

Singapore | October 2021 - Present

- Implemented and improved e-commerce features within the app through a series of feasibility studies, regression testings, and working with other subdivisions to launch them into production. The feature scopes include: homepage, order, mission, banners and more
- Deployed to support the search and recommendation team to improve search features used by millions of app users. These include pre-search suggestions, shop ads, search filters, and more
- Onboarded other developers to a new in-house framework by documenting the user guide, architecture diagrams, as well as common FAQs
- Worked with the Latin American team to ensure smooth operation despite time zone differences. Investigated and fixed the root causes of technical issues to improve app experience for users

Galigo | Lead Software Engineer

Singapore | March 2021 - September 2021

- Initiated many meetings with the founder to understand the pain points of managing memberships within the green energy sector
- Planned, prioritised, and delegate technical tasks for the 3 developers in the team to create a React web application as a platform to automate many membership management processes
- Integrated payment infrastructures such as Hitpay and Xfers into our React application
- Significantly contributed to the full spectrum of the project lifecycle: internalising pain points, defining clear problem statement and feature requirements, and breaking them down into executable tasks

Seer (formerly Reality Detector) | Full Stack Software Engineer

Singapore | July 2020 - March 2021

- Written a React web app for labellers to label/consolidate facial recognition data points for further analysis
- Written a Python application to process videos, extract facial movements, and categorise facial features
- Setup AWS DynamoDB and GraphQL to store, process, and analyse facial data
- Hosted the server on AWS lightsail, utilising frameworks like Nginx and Gunicorn

EV Technology | Data Analyst Intern

London | June 2019 - September 2019

- Written charge-prioritisation algorithms which saved £80 per week in a fleet simulation program
- Merged and analysed large amounts of electric vehicle data
- Analysed the effect of vehicle events (e.g. harsh left turn) and their severity on journey statistics
- Calculated electric vehicle eco score for each trip to deduce battery efficiency

Keysight Technologies | Full Stack App Developer Intern

Singapore | Jun 2018 - Sep 2018

- Worked on back-end (API) and front-end (UI) of mobile app using express.js and Ionic Cordova
- Created a mobile app catalogue to automate the push notification services for the sales team
- Planned and laid out the data structure for catalogue and updates
- Participated in internal hackathon to further predict and improve product life span

EDUCATION

University College London | First-Class Honours

Bachelor's and Master's Degree in Electronic Engineering with Computer Science | Sep 2016 - Jun 2020

Final Year Project: Sensor Arrays for Movement Sensing (Parkinson's Disease)

Courseworks - Applied Machine Learning, Network Systems, IoT, Security and Privacy, Complex Networks and Web

Languages - English (native), Chinese (native), Malay (fluent)

GCE A-Level | ASEAN Scholarship Holder

Temasek Junior College | Feb 2014 - Nov 2015

Received 6 distinctions with a rank point of 90

Awards

2017 Tadhack London | Winner: dynamically change light bulb colour according to current mood

2018 London Open Data Hackathon | Most Popular Idea: underground tube passenger flow visualisation