

Shawn Lim Ke Qin

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE (NUS)

Bachelor of Engineering (BEng)
Industrial Systems Engineering
Expected June 2020 | Singapore
Honours with Distinction

2nd Class Honours (Upper Division)
Innovation & Design Centric (iDCP)
Program

LINKS

<https://github.com/devtoohard>

<https://www.linkedin.com/in/shawnlimkeqin/>

SKILLS

PROGRAMMING

Proficient:

Python • Javascript • Java
C/C++ • HTML/CSS

Intermediate:

React.js • Node.js • MongoDB

SQL • Express.js • GraphQL

Vue.js • Django

Familiar:

GoLang • Swift • Android

MACHINE LEARNING (PYTHON)

Multiple Linear Regression

Decision Trees

Regression Trees

Classification Trees

Bagging, Random Forests, Boosting

Resampling

Bootstrap

K-Fold Cross Validation

Classification

Logistic Regression

K-Nearest Neighbours (KNN)

Unsupervised Learning

K-Means Clustering

Hierarchical Clustering

Support Vector Machines (SVM)

Support Vector Classifier

Maximal Margin Classifier

Undergraduate

Data Structures & Algorithms

Modelling and Analytics

Programming Methodology

Simulation

Probability Models with Applications

EXPERIENCE

YARA INTERNATIONAL | SOFTWARE DEVELOPER (CONTRACT)

July 2020 - August 2020 | Singapore

- Responsible for building frontend components in React and Redux, along with building REST APIs on the backend for a web application for Yara's Customer.

YALE-NUS | LEAD SOFTWARE DEVELOPER

May 2020 - June 2020 | Singapore

- Contract Project for Yale-NUS. Led team of 2 other developers to build web application for Yale-NUS Professors to request and observe each other classes (AirBNB for Professors). Managed project via Trello with Daily scrum meetings.
- Entire project was built using Vue.js, Vuex, GraphQL and Hasura, along with Auth0.
- I am responsible for building the Web Application from scratch and building and iterating new features as per Yale-NUS request.

THALES | SOFTWARE ENGINEER INTERN

Jan 2020 - April 2020 | Singapore

- Intern in Thales Mobile Security Group (MSG).
- Coding and Testing of Mobile Security Libraries using Java, Objective C and C by writing Functional and Unit Tests for Software Development
- Development of new Android and Darwin Libraries for sample mobile app.

BEHALF | AUTOMATION ENGINEER INTERN

Jan 2019 - December 2019 | New York City, USA

- Built a Javascript Automation Tool to automatically scrape invoice information from merchants using Google Cloud Vision API and Google Cloud Platform and storing it in a database.
- Salesforce Development (Apex, Visualforce) of a Manual Underwriting Dashboard for the Manual Underwriting Team.
- Built an automated scraping tool in Python to monitor and scrape reviews from customer review sites such as TrustPilot.

HUECORE | SOFTWARE DEVELOPER (CONTRACT)

June 2019 - November 2019 | New York City, USA

- Built a web application to monitor the driving-behaviour of drivers in real-time by telemetry data from sensor Web App was built using Firebase Real-Time Database Node.js, React.js and Python (Raspberry Pi).

ORANGE BUSINESS SERVICES | SOFTWARE ENGINEER INTERN

May 2018 - August 2018 | Singapore

- Worked on the Video Analytics Web Application that plots a person's movement on a 2D map for DSTA project using HTML/CSS and Javascript.
- Developed a real-time IoT Environmental Monitoring Dashboard using Platform along with Azure stream Analytics, Power BI and sending telemetry data to the cloud using Python via MQTT protocol.

PROJECTS

Autonomous Ground Vehicle (AGV) for ResMed Corp

I used Python to build the movement for the AGV and scheduled the AGV to deliver goods at specific timings in the factory. I implemented 3D mapping using the LIDAR sensor for the AGV using ROS (Robot Operating System).

Lead Generation Chrome Extension

Developed a chrome extension to automate lead generation for sales teams using Javascript, HTML and CSS.

Project Management Dashboard

Developed a simple Dashboard for project management using MERN stack.

Tuition Mobile App

Developed a Mobile App on Android Studio using Java and Firebase for tutors and tutees.