Shawn Lim Ke Qin

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE (NUS)
BEng Industrial Systems Engineering
Expected May 2020 | Singapore
Innovation & Design Centric (iDCP) Program
NUS Overseas College (NOC New York)

NEW YORK UNIVERSITY (NYU)
MS Computer Engineering
Sept 2020- 2022 | New York City, USA

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 Classfiier

Undergraduate

Data Structures & Algorithms

Modelling and Analytics

Programming Methodology

Simulation

Probability Models with Applications

EXPERIENCE

THALES | SOFTWARE ENGINEER INTERN
Jan 2020 - May 2020 | Singapore
- Intern in Thales Mobile Security Group (MSG).
- Coding and Testing of Mobile Security Libraries using Java, Objective C and C.
- 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 on a 2D map for DSTA project using HTML/CSS and Javscript.
- 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 ad FireBase for tutors and tutees.