

Shawn Lim Ke Qin

H-1B1 Visa(Singapore) | shawnlim.dev | shawnlimkq95@gmail.com | +65 97244001

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE (NUS)
Bachelor of Engineering (BEng)
Industrial Systems Engineering
Graduated June 2020 | Singapore
Honours with Distinction
Magna Cum Laude/
2nd Class Honours (Upper Division)

LINKS

<https://github.com/shawnkeqin>

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

SKILLS

PROGRAMMING

Proficient:

Python • Javascript • Java • TypeORM
React.js • Node.js • MongoDB • Redux
• HTML5/CSS3 • ExpressJS • Mobx
• NestJS • Typescript

Intermediate:

SQL • GraphQL • Vuex • Typescript
Vue.js • Django • C/C++ • Golang
• Docker • Kubernetes

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
Software Engineering
Simulation
Probability Models with Applications

EXPERIENCE

HEWLETT PACKARD ENTERPRISE (HPE) | SOFTWARE ENGINEER

November 2020 – Present | Singapore

- Full Stack Developer - Developed frontend UI interface in Typescript with React, Redux, Mobx. Developed multiple backend services in Typescript with Node.js, NestJS, TypeORM, Postgres.
- Provide support for microservices architecture using Redis, Azure EventHub, Docker and Kubernetes.
- Experienced with TDD, SCRUM methodology and developing features for Product Manager.

YARA INTERNATIONAL | SOFTWARE DEVELOPER (CONTRACT)

July 2020 - August 2020 | Singapore

- Developed frontend components in React and Redux, along with building REST APIs on the backend for web application.
- Developed a machine learning whatsapp chatbot in Node.js using Dialogflow, Twilio and Whatsapp Business API using webhooks for Action Africa.

YALE-NUS | LEAD SOFTWARE DEVELOPER (CONTRACT)

April 2020 - July 2020 | Singapore

- Contract-based project for Yale - NUS College.
- Led team of 2 other developers to build web application for Yale-NUS.
- Web application allows Yale-NUS Professors to manage own modules and classes, as well as to request and observe each other classes (AirBNB for Professors).
- Entire Project was built using Vue.js, Vuex, GraphQL, Hasura, PostgreSQL (RDBMS) and deployed via Docker container.
- I am responsible for managing the project with daily scrum meetings using Trello.
- Building and iterating new features as per Yale-NUS request on a weekly basis.

THALES | SOFTWARE ENGINEER INTERN

January 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 | IT OPERATIONS INTERN

January 2019 – December 2019 | New York City, USA

- Developed 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 RDBMS.
- Built an automated scraping tool in Python with Selenium to monitor and scrape reviews from customer reviews sites such as Trustpilot.

ORANGE BUSINESS SERVICES | SOFTWARE ENGINEER INTERN

May 2018 – August 2018 | Singapore

- Worked on a Video Analytics Web Application that plots a person's movement on a 2D Map using HTML5, CSS3, Javascript and jQuery (Ajax).

PROJECTS

frens | Web App, GitHub

- Built a web app for friends to chat and set-up meeting appointments seamlessly
- Developed using React, Redux, Node.js, Express and MongoDB.

Ticketing | Web App, GitHub

- Built a microservices web app for customers to purchase and sell event tickets.
- Developed using React, Node.js, Typescript, Docker, Kubernetes leveraging on Google Cloud Platform

moon | Web App, GitHub

- moon is a platform that provides better insights for investors.
- Developed using React, Redux, Node.js and Express with Styled Components.

Lead Generation Chrome Extension | Extension, GitHub

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