

# KEITH GOH

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## Education

### Singapore University of Technology and Design

May. 2018 – Sept 2021

*Bachelor of Engineering, Engineering Systems Design, Honours*

*Singapore*

- STEP(SUTD Technological Entrepreneurship) Scholarship recipient
- Financial Services Track

### Singapore University of Technology and Design

Sept. 2021 – Dec 2022

*Masters of Science, Technological Entrepreneurship*

*Singapore*

## Relevant Coursework

- |                    |                           |                              |                       |
|--------------------|---------------------------|------------------------------|-----------------------|
| • Data Analytics   | • Data Science            | • Derivative Pricing         | • Engineering Systems |
| • NLP              | • Artificial Intelligence | • Probabilities & Statistics | Architecture          |
| • Machine Learning | • Investment Science      | • Equity Valuation           |                       |

## Experience

### Visa Inc

May 2020 – July 2020

*Project Analyst Intern*

*Singapore*

- Worked on Project Management skills, using Jira and gaining certifications for the Scrum Methodology.
- Participated in company hackathon and learned React.js during the hackathon to help develop a website tool prototype
- Work was affected as a result of Covid19 thus unable to shadow mentor. However, learnt from mentor via interactions

### ST Engineering

October 2019 – May 2020

*Back-End Developer Intern*

*Singapore*

- Worked on deploying of web app
- Used Docker and Flask to deploy the backend access for APIs as well as Google Cloud and AWS to help deploy the containers and provide the storage for the app
- Able to develop an auto scaling docker app that would be able to process data and scale down when not in use

### DSO National Laboratories

February 2018 – May 2018

*Research Intern*

*Singapore*

- Worked on replicating results from a research paper through computer simulation
- Used Matlab to help simulate the features that were described in a research paper to with testing of Signal Processing

## Projects

### Project Sothea | Python, Node.js, React.js, Linux

January 2020

- Helped with the maintenance of a local database web app for an OCIP
- Debugged React.js code, and helped replicate the app across another RPi

### Inventory Management Analysis Project | Python, Excel, Statistics, Seaborn, Pandas

February 2020

- Helped analyse and predict levels of goods in a hypothetical supermarket stock situation
- Featured on SUTD ESD website. Click here for link to showcase

### Sentiment Prediction Class Competition | R, Keras, NLP, Google Colab

November 2020

- Tasked with predicting the sentiments of twitter data
- Used R on Google Collab with Keras to help develop a LSTM model with word embeddings using GLOVE to help predict the results
- Got Second in the Kaggle Class Competition

### Derivative Pricing Project | R, Rshiny, RMarkdown

February 2021

- Created a tool to help predict stock prices and also derivative prices using the Monte Carlo method
- Deployed the Rshiny App online. Click here for link to Project

## Technical Skills

**Languages:** Python, Javascript, SQL, HTML/CSS, C++ (Arduino)

**Developer Tools:** VS Code, Google Cloud Platform, AWS

**Technologies/Frameworks:** Linux, GitHub, Power BI, Google Data Studio

**Certifications:** GCP Professional Data Engineer, PSPO I, PSPO II, Google Data Analytics Certificate, Google Project Management Certificate, IBM Data Science Professional Certificate

## Extracurricular

### House Guardian

May 2018 – Present

*Senior House Guardian*

*SUTD*

- Was in charge of Games for Blockbuster 2018 (a hostel wide event with 500 in attendance) and helped plan Blockbuster 2019 Food Arrangements.

### Root(Student Government)

May 2018 – Dec 2019

*Events Director*

*SUTD*

- Helped plan Open house 2019 and was placed in charge of all the student volunteers for the event