ZAC TAM

NUS U.GRAD ELECTRICAL ENGINEERING

CONTACT

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PROFILE

A keen and fast learner, I am constantly looking for opportunities and exploring beyond my curriculum in the world of tech. Hoping to gather hands-on experience in the world of Computer Science such as Data Science, Software Dev, Web Dev, Cybersecurity and the likes.

INTERESTS

- Bouldering
- Tennis
- Photography
- Gaming

SKILLS

- Python
- C Programming
- Assembly / Verilog
- MSoft Power BI / Tableau
- React
- JS / JQUERY
- HTML / CSS / SASS
- WordPress
- SQL
- Git

EDUCATION

BACHELOR OF TECHNOLOGY, ELECTRICAL ENGINEERING
NATIONAL UNIVERSITY OF SINGAPORE | 2019 - 2023
GPA: 4.59

GCSE A'LEVEL
CATHOLIC JUNIOR COLLEGE | 2016 - 2017

EXPERIENCE

DATA SCIENTIST
TIVLON TECHNOLOGIES | MAY 2019 - NOV 2020

- Cleaned and restructured large amounts of Excel data
- Automated the data wrangling using Python data management libraries such as Pandas and Jupyter
- Visualized and organised the cleaned data using cutting-edge BI tools such as Power BI and Tableau
- Hand-coded everything from scratch and pushed the product live for consumer usage on company website

EXTRACURRICULAR ACTIVITIES

- Built a GUI using Tkinter and live data visualisation with Matplotlib using serial data from a microprocessor and SMS alerts through Twilio's API
- Building and maintaining my residential college's website with WordPress

PERSONAL PROJECTS

- Movie searching webapp with React and themoviedb API
- Portfolio website using a mix of Javascript and JQuery and vanilla HTML/CSS
- Automatic image-generation and posting to Instagram using Python libraries such as BS4, Selenium and Pillow

HACKATHONS

DATA SCIENCE
SHOPPEE I'M THE BEST CODER | 2019 & 2020

- Participated in their annual data science competitions

CYBERSECURITY
DSTA CYBER DEFENDERS DISCOVERY CAMP | JUL 2020

- Participated in their virtual camp on Crytography and Cybersecurity with a group of 4
- Studied materials provided by DSTA on topics such as Linux/UNIX, Ethical Hacking, Networking, Penetration Testing and more
- Completed 1.5 levels out of 5 levels in total

CSIT THE INFOSECURITY CHALLENGE | AUG 2020

- Participated in the two-day competition on Cybersecurity