

# 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 tech industry. Hoping to gather hands-on experience in the world of Computer Science such as Software Dev, Data Science, Web Dev, and Cybersecurity.

### INTERESTS

- Boulderling
- 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 ENGINEERING, ELECTRICAL ENGINEERING

NATIONAL UNIVERSITY OF SINGAPORE | 2019 - 2023

GPA: 4.43

#### GCSE A'LEVEL

CATHOLIC JUNIOR COLLEGE | 2016 - 2017

### EXPERIENCE

#### DATA SCIENTIST & ENGINEER

TIVLON TECHNOLOGIES | MAY 2019 - DEC 2020

- Cleaned and restructured large amounts of Excel data
- Automated an ETL pipeline using Python's data management libraries such as Pandas and Dask
- Visualized and organized cleaned data employing cutting-edge BI tools such as Power BI and Tableau
- Managed the entire code base solo and pushed the product live for consumer usage

#### ENTREPRENEURSHIP

- Building Ladle.SG, a tech social enterprise incubated under NUS SIC to tackle food insecurity in Singapore

#### EXTRACURRICULAR ACTIVITIES

- Built a GUI with Tkinter and live data visualization with Matplotlib by drawing serial data from a microprocessor and SMS alerts through Twilio's API
- Developing and maintaining NUS CAPTLife (hostel life) website with WordPress
- Tutored students on tertiary-level Python modules

#### PERSONAL PROJECTS

- Movie searching webapp with React and themoviedb API
- Portfolio website written in JS & JQuery, HTML/CSS
- Automated image-generation and posting to Instagram using Python libraries such as BS4, Selenium and Pillow

### HACKATHONS

#### FREESTYLE

NUS HACKERS - HACK & ROLL | JAN 2021

- Built an Alexa "skill" dubbed "QuizLah!" with a team of 4
- QuizLah! is a VUI Local Multiplayer Singapore Trivia Game

#### DATA SCIENCE

SHOPEE - I'M THE BEST CODER | 2019 & 2020

#### CYBERSECURITY

DSTA - CYBER DEFENDERS DISCOVERY CAMP | JUL 2020

- Gained insights on Linux/UNIX, Ethical Hacking, Networking, Penetration Testing from DSTA's content

CSIT - THE INFOSECURITY CHALLENGE | AUG 2020

GOVTECH - STACK THE FLAG | DEC 2020