

ZAC TAM

NUS U.GRAD
ELECTRICAL
ENGINEERING

CONTACT

- ☎ +65 9731 0326
- 🐙 github.com/zhermin
- 🌐 [linkedin.com/in/tamzhermin](https://www.linkedin.com/in/tamzhermin)
- ✉ tamzhermin@gmail.com

PROFILE

A keen and fast learner, I constantly look for opportunities and explore beyond my curriculum. Hoping to gather hands-on experience in the world of Computer Science!

Official internship period under NUS is from **19 July 2021 to 31 Dec 2021**.

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