SAMUEL TAN ZHI WEI

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PROFESSIONAL SUMMARY

Dedicated Computer Science Student with a passion for all thing tech related. Experience with Data Analytics, Software Engineering and Machine Learning. Confident in my ability to quickly pick up anything I'm passionate about, committed to continuous self-improvement and impacting team success. Portfolio : https://react-portfolio-zeta-rouge.vercel.app

WORKING EXPERIENCE

PSA	Data Analytics Intern	May 2022 – Dec 2022

- Used **Pandas | Python** to analyze shipping routes and other shipping related information. **Streamlit** to Dashboard shipping information.
- Created a script funnel for generating vessel port of rotation as well as port to port coordinates, utilizing machine learning techniques to identify complex patterns.

NIUM	Product Intern	May 2021 – Aug 2021

- **NoSQL | MongoDB** to support Product team.
- Enhanced user experience by identifying AML (anti-fraud) hits were inefficient | Collaborated with Product Analytics teams to develop and implement **MongoDB Chart** to visualize inefficiencies in real time.

1st Commando Battalion - Singapore Armed Forces	3SG (Third Sergeant)		Jul 2018 – May 2020

- Managed team of men, overseeing discipline, training, and professional growth.

PROJECTS

GODOT	GDScript	Current

- Art, Music, and Logic
- https://phatwhale.itch.io/

NFT Marketplace App + Showcase Webapp	React + React Native| JS	2022

- React Webapp, Simple proof of concept for JS, HTML, CSS
- React Native NFT Marketplace, UI for an NFT Marketplace app (Static Data)
- https://nft-showcase-react.vercel.app

Carpark App	Android Studio	Java	2021

- Determine nearest carpark using Google maps API & Determine Carpark Availability
- Using data.gov API to get public carpark information

Telegram Bot for NTU Saraca Hall	python-telegram-bot	python	2020

- Used to communicate with residents with FAQ and event signups
- During the pandemic we sold ART test kits, since there was a need for "on-demand" purchases
- Notify the team when a new purchase order is made

EDUCATION

Nanyang Technological University	Aug 2020 – Current

Degree in Computer Science | GPA 4.22

- Basketball - Hall 2020-2023, Swimming - IVP 2020-2023, Swimming - Captain 2021-2022
- Saraca Hall - Vice-President 2021-2022, Saraca Hall - Welfare Director 2020-2021

Singapore Polytechnic	Apr 2015 – Mar 2018

Diploma in Aerospace Electronics | GPA 3.84

- Gold with Honors CCA, Certificate in Aviation Management, Japanese Language 1&2 Distinction
- LEAP Camp Foundation & Intermediate (Leadership camps), Water polo - Captain 2016-2017

LANGUAGE AND TECHNOLOGIES

- C++, C, Java, Python, SQL, JavaScript, Typescript, CSS, HTML
- React, React Native, Pandas, Django, PowerBI