Teresa Zhang Han Yu

GitHub: https://github.com/ter1sa | tzhy19@gmail.com | (+65) 97329480

EDUCATION

Nanyang Technological University, School of Computer Science and Engineering — Singapore   **08/2020 – 05/2024**
Bachelor of Engineering, Computer Science | Second Upper Class Honours (Distinction)
Nanyang Technological University, Nanyang Business School — Singapore   **08/2020 – 05/2024**
Bachelor of Business, Business Analytics | Second Upper Class Honours (Distinction)
Queen's University, Faculty of Engineering and Applied Science — Canada   **01/2023 – 05/2023**
Bachelor of Engineering, Computer Science | Winter Exchange

WORK EXPERIENCE

Software Engineer Intern — IFSC PTE. LTD.   **11/2022 – 12/2022**
- Using the MVC architecture, Laravel framework, and php language, I work with mySQL, and created multiple graphs using am4Chart library
- Using Voyager, a Laravel Admin Package, I did form validation, automatic scrolling to the validation error, and reinstating the old values when there is validation error

Software Engineer Intern — Handshakes by DC FRONTIERS PTE. LTD.   **05/2022 – 08/2022**
- Initiated a proof-of-concept (a dynamic web-scraper) together with my team where I experienced the Software Development Life Cycle – requirement analysis, in-depth planning, product design, coding, testing and deployment
- Took part in an official project of the company, where we work together with a client, and develop a product that meet the requirements requested by the client. I became more familiar with agile programming and the scrum framework
- For both projects, I was the sole developer (with some help from my mentor) for the frontend using React and Redux. I also took part in the backend process, where I link the API layer to the database (PostgreSQL) layer. I wrote the product documentation for the frontend section

Business Development Intern — Gigacover   **03/2020 – 05/2020**
- Mine and analyse data for business insights
- Contact and communicate with the clients in a way that will garner their interest

Transport Engineer Intern — Land Transport Authority/ SMRT Corporation   **11/2019 – 12/2019**
- Analyse the data collected from the TTCM (Train Track Condition Monitoring) program using Excel and Python to predict when the next train fault will come

LEADERSHIP & ACTIVITIES

Nanyang Technological University
- Business Manager – Hall of Residence 12 Overseas Volunteering Expedition   **09/2021 – Present**
  - *Lead a team to plan and organise canvassing events. Organised 4 events so far and raised more than $100 for each event.*
- Vice President – SCSE Transition Orientation Program   **09/2021 – 09/2022**
  - *Lead a team with over 100 members to plan and organise a large-scale event for over 800 freshmen.*
- Corporate Liaison – Hall of Residence 12 Help Open People's Eyes
  - *Sourced for sponsorships and found over five sponsors with over five sponsorship items* **09/2020 – 09/2021**
- Sports Director – Hall of Residence 12 Junior Common Room Committee   **09/2020 – 09/2021**

AWARDS & ACHIEVEMENTS

Nanyang Scholarship   **08/2020 – 05/2024**
NTU Undergraduate Research Experience (URECA)   **09/2021 – 07/2022**
- *Designed a cognitive game for elderly to help their medication. Unity 3D and mobile game development is used in the project.*

SKILLS & INTERESTS

- Programming Languages: C/C++, Java, ARM assembly, HTML, CSS, SQL, NoSQL, Python, R, JavaScript, TypeScript, Unity, php
- Frameworks: React, Express.js, Node.js, .NET, Laravel
- Libraries: Redux, React-Bootstrap, Material UI, Sequelize, Scikit-learn, TensorFlow, Keras, randomForest, Xgboost, amCharts
- Applications: Tableau, PowerBI, Excel, Orange, Jupyter Notebook
- Interest: Sports, Reading, Travelling, Socialising, Gaming