# Tung Yan Zuo, Darren

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## EDUCATION

**National University of Singapore | Singapore, SG**
- **Bachelor of Computing in Computer Science (Honours)**           **Aug 2023 - July 2026**
- **Relevant Courses**: Introduction to AI and Machine Learning **(AI)**, Data Structures & Algorithms **(Java)**

**Ngee Ann Polytechnic | Singapore, SG**
- **Diploma in Engineering Science | GPA:** 3.9266/4.0           **Apr 2018 - May 2021**
- **Relevant Courses:** Computer Programming **(C)**, Fundamentals of Obj-oriented Programming **(C#)**
- **Awards:** DSTA Polytechnic Engineering Scholarship, Director's List (Year 2 Sem 1), Director's List (Year 1 Sem 2)

## TECHNICAL SKILLS

- **Programming Languages:** C, C++, C#, Python, JavaScript, HTML, Java, R
- **Software:** Unity, Google App Scripts, Microsoft Visual Basic Applications (VBA), R Studios, Git, Docker
- **APIs & Other Tech Stacks:** Rasa Open Source, OpenCV, NodeJS, WebRTC, ReactJS, MongoDB, Firebase

## PROJECTS

**Health Screening 2024 |Self-Sourced Project|Public Health Service (PHS)**           **May 2024 - Aug 2024**
- Impacted more than **1000** volunteers & participants who underwent a health screening by PHS
- Developed & updated web-based queue system & data storage to its latest requirement with **JavaScript**, **ReactJS** & **MongoDB**
- Led a team of 4 developers & streamlined its development using **Agile** & **Git**
- Responsible for effectively communicating with the PHS committee & delegating tasks to the team

**UniFyTime | Independent Software Development Project (Orbital - Advance)**           **May 2024 - Aug 2024**
- Worked in pairs to propose & develop a web-based calendar system using **JavaScript**, **ReactJS** & **Firebase API**
- Designed user interface **(UI)** for optimum user experience **(UX)**, structuring information architecture for intuitive navigation aligning with modern designs & best practices, real-time synchronisation with **Firebase** & **Firestore**
- Coordinated effective communication within the team through daily developmental sprints using **Agile** & **Git**
- Encompassed Telegram Bot Integration using **JavaScript** & **Telegraf.js**

**Parade State Project | Self-Initialised Project during National Service**           **Feb 2022 - Jan 2024**
- Developed 1 Microsoft Excel Marco project to facilitate attendance taking & emailing using **Microsoft VBA**
- Published 2 Telegram Bots coded in **Google App Script** to facilitate attendance taking & Medical Leaves tracking
- Improved work efficiency tremendously & **saved 80% of the time**

## PROFESSIONAL EXPERIENCE

**Administrative & Training Specialist| MINDEF | Singapore, SG**           **Oct 2021 - Aug 2023**
- Managed administrative & training matters for recruits & staff members
- Built Telegram Bots & Microsoft Excel VBA for automation purposes
- **Awards:** ALTI Exemplary Instructional Leader (Innovation) Award

**Software Engineering Intern | Defence Science & Technology Agency | Singapore, SG**           **Mar 2021 - Jun 2021**
- Collaborated on an AI Chatbot using **Rasa Open Source** & **Python**
- Played a role in advancing an MLOps project that employs **Docker** & **Harbor**

## LEADERSHIP EXPERIENCE

**Assistant Treasurer (Grassroots Leader)| Zhenghua Community Club Youth Network**           **Oct 2016 - Present**
- Organised numerous community events that reached out to over 300 residents in the Zhenghua community
- Volunteered in various community events, such as a weekly food rescue event
- **Awards:** People's Association Certificate of Appreciation (5 Years Long Service Award)

## CERTIFICATION

**WILEY Certified Data Analyst**           **April 2022**