TEO YU QI

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EDUCATION

National University Of Singapore (NUS) **Aug 2020 – Present**

- Bachelor of Computing in Computer Science (with Honours)
- Expected Date of Graduation: May 2024

PROGRAMMING LANGUAGES

Fluent in:

- Python, Java, React, HTML, CSS, JavaScript, Git

Also used:

- Arduino, AWS EC2, Bash, C, C++, Firebase, Go, Heroku, MIPS, Ruby, Rails, TypeScript, Xilinx Vitis-AI

WORK EXPERIENCE

TikTok (ByteDance) : Frontend Engineer Intern (Global E-Commerce) **Jan 2023 – Present**

- Developed efficient and reusable front-end systems for TikTok content-creators worldwide
- Collaborated with product design, product management and software engineering teams
- Skills: *React, TypeScript, HTML, CSS*

DSO National Laboratories: Embedded Software Engineer Intern **May 2022 – Jul 2022**

- Explored viability of classifying RF pulse using AI/ML algorithms on Xilinx MPSoC
- Deployed custom deep-learning model on Avnet UltraZed-EG with Vitis-AI APIs
- Provided in-depth documentation to assist software team in future adoption of Vitis-AI
- Skills: *Python, Bash, C++, Vitis-AI*

Robert Bosch (SEA): Sales and Marketing Intern (AA/SSG) **Jan 2020 – Jul 2020**

VOLUNTEER WORK AND PERSONAL PROJECTS

OTH4419 AI Primer Course: Student Volunteer **May 2022 – Jun 2022**

- Assisted in setting weekly quizzes for the OTH4199 AI Primer Course organized by the NUS Centre for Computing for Social Good & Philanthropy (CCSGP)
- Beneficiary: *Autism Resource Centre (Singapore)*

TikTok Youth Camp 2022 **May 2022**

- Attended 10-day course on web and Android application development
- Created a Hangman web application using React framework as part of course deliverables

NUS Computing for Voluntary Welfare Organisations Assignment **Dec 2021 – Jan 2022**

- Created a web application for managing task lists of workers
- React frontend with Ruby on Rails backend
- Basic authentication system to allow privilege escalation for “Boss” accounts

EG1311 Design and Make Module Project: Obstacle Traversal Robot **Jan 2021 – May 2021**

- In charge of software and electronics of robot
- Arduino-UNO based robot with HC-SR04 Ultrasonic Sensor, L293DNE H-Bridge Driver and SS-5GL switch
- Achieved perfect score of 10/10 in obstacle course traversal component