John ANG Yi Heng

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EDUCATION

Nanyang Technological University   Aug 2022 – Current
Bachelor of Engineering (Information Engineering and Media)
- Expected First Class Honours (Distinction), Current CGPA: 4.54/5.00

Ngee Ann Polytechnic   April 2017 – May 2019
Diploma with Merit (Environmental and Water Technology)
- CGPA: 3.78/4.00

ACADEMIC PROJECT

Nanyang Technological University, Singapore   Aug 2023 – Sep 2023
CAO x TCS Tech4betterment UI/UX Workshop
- Understand principles of user-oriented design
- Acquired knowledge of practices for creating engaging designs and seamless user journey
- Customised an e-commerce website catering to increase user traffic by 10%

Ngee Ann Polytechnic, Singapore   Aug 2018 – May 2019
Final Year Project – Design an Automated Rodent Monitoring System
- Utilised python to interface with hardware components such as Raspberry Pi and thermal sensor
- Refined and connected system to Google cloud storage and Telegram bot notifications

INTERNSHIP EXPERIENCE

Sembcorp Pte Ltd   Apr 2019 – Aug 2019
Water Treatment Department, Intern
- Liaised closely with contracted engineers from PUB to improve and optimize operations of the NEWater treatment
- Executed weekly maintenance and operations of water treatment pilot plant
- Performed audits and liaised with overseas engineers to increase efficiency for water treatment plants in China

WORK EXPERIENCE

Premium Tutors Pte Ltd. Free Lance Developer   Dec 2023 – Current
- Built a website which utilises Singapore onemap API to retrieve full address and nearest MRT
- Integrated a telegram bot using python with an backend API to retrieve and filter data

Self-employed Private Tutor   May 2023 – Current
- Carried out private mathematics tuition for age range from 8 to 17 years old
- Tailored teaching methods to suit individual learning styles
- Developed personalised lesson plans and study materials to enhance performance
- Fostered positive learning environment and encouraged critical thinking

CO-CURRICULAR ACTIVITIES

Garage Club   Aug 2023 – Current
Front-end Web Developer
- Collaborated with a team of 8 developers to optimise website performance and user interface
- Devised innovative and responsive designs for smooth user experience

Marvel Club   Aug 2023 – Current
Technical Committee Member
- Partnered with a team of 5 to facilitate game design workshops for participants
- Proposed ideas in enhancing participant projects
- Collaborated with other members to improve user interface and experience for the club's website

Escendo Club   Aug 2023 – Jan 2024
Branding and Marketing Committee Member
- Member of 7-person team to execute branding and marketing campaigns
- Designed captivating posters and visual content to promote event
- Played a key role in assisting with filming projects

Youth Expedition Project (YEP) Laos   Sep 2019 – Sep 2019
Volunteer Member
- Volunteered to contribute to construction of a school in a village
- Accomplished fun and engaging lessons on music and sports for students
- Prepared and served nutritious meals for school

SKILLS

Languages
Proficient in English and Chinese

Digital Skills
Programming languages: HTML, CSS, JavaScript, C, Python, Java
Framework: React
Version control: Git, Github
Familiar: Unity, Figma

HOBBIES & INTERESTS

I love travelling and playing sports (basketball, volleyball)