TAN YONG LER

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INTERNSHIP OBJECTIVE

Thank you for reviewing my resume. My name is Yong Ler, a Year 3 student at Republic Polytechnic, specializing in digital design and development. Upon completion of my studies, I anticipate acquiring skills comparable to those of a full-stack developer.

As a student, I am committed to enhancing my abilities and striving for personal growth. With a keen interest in artificial intelligence, software development, and data analytics, I aspire to pursue a career within these dynamic industries.

SUMMARY OF KEY SKILLS

- Java Programming
- Python Programming
- Database Management (SQL, MongoDB)
- UI/UX Design
- Graphic Design
- Bug Testing and Reporting
- C# for Game Development in VR, AR (Unity)
- Software Development Cycle (SDLC)
- Data and Business Analysis
- Website creation (HTML, PHP, JavaScript)
- Customer service
- Problem solving
- Creative thinking
- Critical Thinking and Analysis
- Interpersonal communication
- Proficient in English, spoken and written
- Proficient in Chinese, spoken and written

EXPERIENCE

Origin Boulder | Singapore   September 2022 – Current
Climbing Gym Crew/Instructor | Part Time
- Managed the counter in the gym
- Managed the gym's social media posts, including capturing and editing of content
- Taught introductory bouldering lessons to new climbers of all ages
- Received commendation for fast growth and learning of job skills

Tamago-En | Singapore   November 2020 – March 2021
Kitchen Crew | Part Time
- Managed the preparation of food ingredients
- Prepared dishes for customers
- Organisation and cleanup of tools and kitchen

Adam Khoo (I Am Gifted Programme) | Singapore   November 2019 – Current
Coach | Part Time
- Motivated participants between the ages of 7-19
- Built up participants in character, emotional being and academic skills
- Built quick and effective rapport with participants

EDUCATION

Republic Polytechnic | Singapore   April 2021 – Current (Expected Graduation: April 2024)
Digital Design and Development
- Current Cumulative GPA: 3.75
- Activities and Societies: SOI Club (Technology Sector), Taekwondo

Chung Cheng High School (Main) | Singapore   January 2017 – December 2020
GCE "O" Levels
- Activities and Societies: National Cadet Corps (Land)

VOLUNTEER AND LEADERSHIP EXPERIENCE

Orientation Programme | Republic Polytechnic   13 April – 14 April 2023
Student Leader
- Organised the SOI Performance alongside 2 student leaders
- Played multiple roles including gamemaster and class leader on top of SOI performance leader

World Skills Singapore (Web Technologies) | Temasek Polytechnic   27 March – 31 March 2023
Competitor
- 1 of 3 Republic Polytechnic competitors selected to compete in World Skills Singapore (Web Technologies)

Polytechnic Forum 2022 | Republic Polytechnic   13 September – 16 September 2022
Delegate
- 1 of 300 nationwide polytechnic delegates to represent Polytechnic Forum
- Represented Republic Polytechnic in the discussion of non-political affairs in Singapore
- Contributed views and opinions regarding the differing workplace opportunities both genders get in Singapore
- Collaborated with students from every Polytechnic in the discussion of opinions
- Developed and presented views and potential changes to Dr Maliki Osman, Minister in Prime Minister's Office and Second Minister for Education and Foreign Affairs

联合早报逗号 | Singapore Press Holdings   3 September 2022 – Current
摄影培训 (Head of Photography Department 2022 - 2023)
- Contributed in the planning of the annual plan for the photography team
- Organized events for the photography team to bond and shoot for upcoming themes
- Main adviser for the team on how to improve their photography
- Collaborated with the writing and art departments to create articles for 逗号

Japan Student Overseas Trip | Tokyo, Japan   28 August – 1 September 2022
Delegate
- Represented Republic Polytechnic as one of the top students of School of Infocomm in an invitational-only travel to Japan sponsored by IPREP
- Learnt about Japan's IT and technological industry as well as their advancements in this industry

NOTABLE PROJECTS

Image Plagiarism Detector (ERD Diagram Focus) | Republic Polytechnic   27 March – 7 August 2023
- 1 of 12 students to be selected for special project (AI track) Republic Polytechnic
- Collaborated with a team of 4 students from 3 different diplomas
- Developed an ERD plagiarism detector using computer vision, inclusive of Siamese Neural Network, Optical Character Recognition (OCR) and Object Detection as well as Natural Language Processing (NLP)
- Technologies used: YOLOv8, YOLOv5, BERT, spaCy, MongoDB, Python, Javascript, React Native

Escape From Reality | Republic Polytechnic   17 November 2022– 6 February 2023
- Produced a VR puzzle escape game in Unity as an assignment for Immersive Technologies module
- Designed and developed the game around a real-life day in the life of a student struggling in school
- Developed and wrote game design documents, flowcharts and panoramic mockups
- Usage of C# and Oculus Quest

TF SCALE VII | Republic Polytechnic, Suzhou University of Science and Technology   21 March – 28 March 2022
- Took a 5-day course learning about artificial intelligence, machine learning, computer vision and neural networking
- Photographed sample images of edible plants from Botanic Gardens for dataset
- Collaborated with students from Suzhou University of Science and Technology for overseas dataset
- Produce an image recognition artificial intelligence that can detect edible plants from Singapore and Suzhou

ACHIEVEMENTS & AWARDS

Academic
- Lee Foundation Scholarship   AY2023
- Module Prize in Front-End Web Development   AY2022
- Lee Foundation Scholarship   AY2022
- Edusave Certificate of Academic Achievement   AY2022
- Director's Roll of Honour, Yr1 Sem1, Yr1 Sem2, Yr2 Sem1, Yr2 Sem2   AY2021 – 2023
- 2nd in FSD Competition (East), National Cadet Corps   AY2019

External
- Best Thematic Photography, Singapore Press Holdings   2020 – 2021 (Runner-Up), 2021 – 2022 (Best)
- Contribution to Best Themes, Singapore Press Holdings   2020 – 2021
- Best Performance, Singapore Press Holdings   2021 – 2022

CERTIFICATIONS
- Google Data Analytics Specialization
- Google Finance Data Analyst Professional Certificate

REFERENCES AVAILABLE UPON REQUEST