Ryan Lai

London, United Kingdom, +44 7555747347, ryanlai12@gmail.com

PROFILE

A highly adaptable junior software engineer, with a strong passion for writing quality code and continual learning. For a more in-depth look into who I am or to view all my past/ongoing projects, here is my personal website.

TECHNICAL SKILLS

Programming Languages

Languages: JavaScript, Python, Ruby, TypeScript

Testing: Jest, Cypress, RSpec

Frameworks/Libraries: React, NodeJS, ExpressJS, MERN Stack, NextJS, TailwindCSS

Databases: MongoDB, PostgreSQL

To view all my projects & undertakings, click here.

EDUCATION

Sep 2019 — Sep 2022

Bachelor of Science in Physics, University College London   London

Graduated with Second Class Honours (2:1).

Projects Undertaken:

1. **Group research project** involving "Hybrid organic-inorganic materials". Achieved 2nd place out of 30 groups for best experimental report and group presentation. Responsible for group organisation and communications, along with the data processing and modelling of the experimental data using Python (SciPy & Matplotlib).

2. **Twelve-week experiment** investigating 'Compton scattering on gamma-rays'. Created user-defined python programs to compare and evaluate experimental data to hypothesized models.

3. **Python data analysis** involving tasks such as generating data visualizations, computational treatment of experimental data, and creating 3-dimensional models and animations of physical systems.

4. **Article** on 'The future of manned space travel'. Conducted credible research and applied correct referencing practices.

Sep 2017 — Jul 2019

Higher Education, Alice Smith International School   Kuala Lumpur

8 A*s & 3 As (GCSEs).

2 A*s in Mathematics & Physics and 2 As in Further Mathematics & Chemistry (Advanced Levels).

Dec 2022 — Apr 2023

Makers Academy, Programming Bootcamp   London

Applied industry-skills such as:

- Applied **test-driven development** methodologies using Jest, Cypress, and RSpec.
- Collaborated effectively within a **team of 6 people** to develop a social media app and a photo-sharing app.
- Successfully implemented **agile workflows**, adhered to **SOLID principles**, and conducted comprehensive **code reviews** for all projects.
- Engaged in regular **pair programming** sessions, averaging 4-5 times a week for a minimum of 3 hours each, with diverse individuals to tackle debugging, development, and other challenges.

WORK EXPERIENCE

Jun 2022 — Aug 2022

Assistant in Website Development, Wahine Capital   Kuala Lumpur

- Assisted in the client-side development of the company's prototype web pages.
- Created preliminary layouts for the design and branding of the company using Canva & Procreate.
- Responsible for mapping out the structure and UX of the company's website.

REFERENCES

Rejina Rahim from Wahine Capital

rejina@wcapital.asia · +60122181517