

# Ryan Lai

London, United Kingdom, +44 7555747347, [ryanlai12@gmail.com](mailto:ryanlai12@gmail.com)

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## 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](#).

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## 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

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## 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 & 2 As in Further Mathematics, Chemistry (Advanced Levels).

Dec 2022 — Apr 2023

### Makers Academy, Programming Bootcamp

London

Applied industry-skills such as TTD (test-driven development), developing as a team, agile workflow, code reviewing, pair programming, and more.

#### Projects Completed (ExpressJS, React, NodeJS, Jest, Cypress, Mongoose, Ruby, RSpec):

- Social Media App
  - Photo-Sharing Application
  - Bowling Scorecard Tracker
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## 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.
  - Responsible for mapping out the structure and UX of the company's website.
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## REFERENCES

Rejina Rahim from Wahine Capital

[rejina@wcapital.asia](mailto:rejina@wcapital.asia) · +60122181517