Ryan Tan
Penultimate Computer Science (HONS) Student

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I want to get involved with web development. I love programming, sharing ideas and learning about new technologies.

As a person who loves logical puzzles, I get excited when presented with a tough problem. I believe a tough problem truly challenges how much you know, and provides the opportunity for me to learn more about the solution on how to solve the problem. I love collaborating, sharing ideas, knowledge and skills with others, as well as learn from others.

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</> Projects

- **UpSkill (2020)**. An online platform that offers live local lessons to help upskill learners to help them re-enter the job market. Built using **MongoDB, Express, ReactJs,** and **NodeJs.**

- **LearnFromA.Kiwi (2020).** A web application that connects individuals with instructors in New Zealand. Created as part of Startup Weekend Aotearoa 2020. Built using **ReactJs** and several UI components such as **reactstrap**.

- **Personal Website (2020).** My personal website. Built in a week using **ReactJs**, **JavaScript** and **Bootstrap.**

- **Cinema Application (2020).** An application that allows users to add, update, delete and display movie times, as well as employees working at a cinema. Application was built with the **MongoDB, Express, ReactJs** and **NodeJs** stack**.**

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🛠 Skills Summary:

Problem Solver - I love solving problems, and was able to apply this skill by debugging experimental software issues while conducting research. I have also joined various hackathons to create solutions to real life problems.

Team Leadership - I love collaborating, and working with others on projects to solve a problem. I was able to demonstrate my leadership skills through hackathons, university group assignments and my past employment as a residential assistant.

Adaptability - I adapt very quickly to the environment by learning, asking questions and debate ideas with others. Due to COVID-19, I adapted by making online videos instead of tutoring students in person, which was a new challenge that I enjoyed overcoming.

Enthusiasm - I am always excited to learn more, whether it be a new skill, programming language, or new cultures. I have received good reviews on my personality from my role as a residential assistant, with students approaching me when they required pastoral care.

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Technical Skill	Months of Use	Last Used	Capacity
Python	28	current	university, competitive programming, private study, commercial
JavaScript	8	current	private study, university
HTML/CSS	8	current	private study, side projects, university
ReactJs	5	current	commercial, side projects
C++	4	current	competitive programming
C#	5	6 months ago	university, commercial
Java	4	12 months ago	university, hackathon, side projects
C	2	24 months ago	university

Language	Proficiency
English	Fluent
Chinese	Fluent
Melayu	Conversational
Cantonese	Beginner

💼 Experience

Mar 2020 - Present   **Graduate Teaching Assistant**

University of Auckland

Tutored the Human-Computer Interaction (CS345) class. Led tutorial discussions, and taught certain concepts in more detail. Created tutorial videos to adapt to changes in content delivery to students.

Nov 2019 - Feb 2020   **Data Science Intern**

Orion Health

Conducted user research with clinicians and data scientists to elicit requirements for a data annotation tool. Built a web application using **ReactJs**, and used **Git** as version control**.**

Jun 2018 - Nov 2019   **Research Assistant**

University of Auckland

Conceptualized the experiment for the study. Built a desktop application to record sensor data using **C#.**

May 2018 - Nov 2019   **Volunteer: CodeClub Aotearoa**

Pakuranga Library

Ran weekly sessions for a class of 15-20 children, some with learning difficulties. Taught **Python, Scratch** and **JavaScript.**

Feb 2016 - Nov 2017   **Residential Assistant**

University of Otago

Addressed student needs resolving conflicts, and providing counsel on various personal and academic issues. Liaison with other colleges and University staff to organize sport and art events.

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🎖 Achievements

2020 DEVs Hackathon — First Place

Summer Research Scholarship — Precision Driven Health

Certificate of Outstanding Achievement — Research Project (*Investigating the Effects of Notifications on Productivity and Stress*)

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🏛 Education

University of Auckland, New Zealand	**Mar 2020 - Nov 2021**
Bachelor of Science (Hons) in Computer Science	
University of Auckland, New Zealand	**Jan 2018 - Nov 2019**
Graduate Diploma in Computer Science	
University of Otago, New Zealand	**Jan 2014 - Nov 2017**
Bachelor of Science in Neuroscience and Genetics	

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References

References available upon request