

Ryan Tan

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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.

Skills Summary:

Problem solver - As an analytical thinker, when a problem arises, I first take the time to fully understand and look into why the problem is occurring. I would usually come up with several solutions, that would solve the problem. I was able to apply my problem solving skills as a research assistant, by debugging experimental software issues, as well as finding ways to prevent similar issues from happening in the future. This has led to a decrease in unexpected issues, which has helped me gather data a lot easier and faster.

Team Leadership - I love collaborating, and working with others on projects to solve a problem. In a recent group project, I was able to develop my leadership skills further by encouraging everyone in my group to voice their opinion, and making sure they are all happy with the decision that the team makes. One group member did not complete their task because they were confused on what to do. I did routine checkups with them to help them understand what they needed to do, to complete their side of the project. I was also able to demonstrate my leadership skills through hackathons, other group assignments and my past employment as a residential assistant.

Adaptability - As a person that is curious about everything computer science, I adapt very quickly to the environment by learning, asking questions and debate ideas with others. Being adaptable has allowed me to follow my passion to finishing off my computer science diploma, and develop persistence while doing so. Due to COVID-19, my job as a tutor has changed from tutoring students in person, to making videos, which the course coordinator suggested. I was not sure on what the video should include, so I studied how other videos were made, and asked questions to get further clarifications. I ended up having a lot of fun with making the videos, and it has helped me to understand the concepts that I had to teach in more detail.

Proactive - I like to find ways to deal with a problem before it arises. Being proactive has helped me develop effective planning, and communication skills, as well as helping me deal with unforeseeable events. When working on group projects, I take the initiative to question others on their ideas, and how they work. This usually helps me better understand their ideas, as well as identifying potential issues that may arise. When tasked with conducting office hours for students, I do research beforehand to predict what kind of questions they may ask, so I can better prepare for their questions.

Enthusiasm - I have an approachable and friendly personality. I am always excited to learn more, whether it be a new skill, language, or new cultures, as there is so much to learn! In addition to this, I like to support others, whether it be encouraging them to learn something new, or be empathetic to listen and help solve their problems. I have received good reviews on my personality from my previous role as a residential assistant and students usually approach me when they have academic issues, or needed pastoral care.

Skill	Months of Use	Last Used	Capacity	Language	Proficiency Level
Python	28	current	university, competitive programming, private study, commercial	English	Fluent
JavaScript	8	current	private study, university	Chinese	Fluent
HTML/CSS	8	current	private study, side projects, university	Melayu	Conversational
ReactJs	5	current	commercial, side projects	Cantonese	Beginner
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		

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 interviews 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.

Projects

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

Education

University of Auckland, New Zealand Bachelor of Science (Hons) in Computer Science	March 2020 - November 2021
University of Auckland, New Zealand Graduate Diploma in Computer Science	January 2018 - November 2019
University of Otago, New Zealand Bachelor of Science in Neuroscience and Genetics	January 2014 - November 2017

References

Academic Referee:	Character Referee:	Character Referee:
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