RYAN TAN

Final year Computer Science (Honours) Student

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💼 WORK EXPERIENCE

GRADUATE TEACHING ASSISTANT | UNIVERISITY OF AUCKLAND *Mar 2020 - Present*
- Taught topics in Human-Computer Interaction (**HTML, CSS, JavaScript**), Large-Scale Software Development (**Java**), and Introduction to Software Fundamentals (**Python**) to more than 400 undergraduate students.
- Created tutorial videos to adapt to changes in content delivery due to COVID-19.

SOFTWARE ENGINEERING INTERN | XERO *Nov 2020 - Feb 2021*
- Implemented automated testing suite and measured deployment lead times in **TeamCity** build pipelines.
- Wrote a serverless function in **NodeJS** using **AWS Lambda** to pipe data from **AWS DynamoDB** to **AWS ElasticSearch**. Set up database schemas for the ElasticSearch service.

DATA SCIENCE INTERN | ORION HEALTH *Nov 2019 - Feb 2020*
- Designed and developed a data annotation tool prototype using **React**, aimed at reducing preparation time for New Zealand clinicians and data scientists.
- Wrote a **Python** script to preprocess medical texts by tagging important medical words annotated by clinicians.

💻 PROJECTS

INPRODUCTIVITY | PERSONAL *2021*
- Developed a **Google Chrome Extension** to block social media websites during work hours and reduce the frequency of checking emails to increase productivity.

POSITIVE VIBES ONLY | PERSONAL *2020*
- Developed a website that allows users to post positive messages, using **ReactJs**, **MongoDB**, **Hapi**, **NodeJs** and **Microsoft Cognitive Services**. Deployed the frontend on **Netlify** and backend on **Heroku**.

TICKET CLASSIFIER | RESEARCH *2019*
- Designed and developed a **C# Windows Form** desktop application to mimic knowledge work for office workers. The aim of the project was to study the effects of stress and notifications on phishing attacks.

🏅 ACHIEVEMENTS AND CERTIFICATIONS

AWS CERTIFIED CLOUD PRACTITIONER *2021*

1ST PLACE DEVS HACKATHON *2020*
- Created a viable business model for UpSkill, a web application that aims to upskill, reskill and retool learners to help them re-enter the job market.

SUMMER RESEARCH SCHOLARSHIP *2019*

🎓 EDUCATION

THE UNIVERSITY OF AUCKLAND *Mar 2020 - Nov 2021*
Bachelor of Science (Honours) in Computer Science

THE UNIVERSITY OF AUCKLAND *Jan 2018 - Nov 2019*
Graduate Diploma in Computer Science

THE UNIVERSITY OF OTAGO *Feb 2014 - Nov 2017*
Bachelor of Science in Neuroscience and Genetics