

Alexander Morris

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Summary of Skills and Attributes

- Self-motivated and reliable
- Ability to multi-task and work with time restraints
- Experience in teaching computer skills, programming and robotics
- Proficient in Java, PHP and JavaScript
- Proficient with Laravel and Vue.js frameworks
- Experience with Python, SQL, HTML & CSS, C#/.Net Core
- Experience with Git
- Experience with MySQL
- Experience in using Fusion 360 CAD software and 3D Printing technologies
- Experience in using Linux based operating systems and administration of the LAMP stack

Education

- Studying towards a Bachelor of Science, majoring in Computer Science with a specialisation in cyber security and a minor in statistics at Victoria University of Wellington, started in 2019
- NCEA Level 3 completed at Kapiti College in 2018

History

May 2019, **Qualified for the New Zealand Cyber Security Competition**

- Qualified in the top 150 for the New Zealand Cyber Security Competition, was offered a place in the following rounds at University of Waikato however was unable to attend for financial reasons.

July 2017 - June 2018, **Penetration Testing**, NZGrapher & Junior Logs

- Performed critical penetration testing for NZGrapher, a product used by over a hundred thousand students around the world.
- Performed critical penetration testing for Junior Logs, in which I discovered serious security exploits exposing confidential data.
- Discovered multiple flaws and provided a report of suggested action.

2018, **Mentorship**, Unify Solutions

- Completed a mentorship alongside master's graduates from Victoria University of Wellington
- Designed, tested, and built an android app to handle parking in Wellington City

2017-2019 (current), **Customer Service**, Rachelle's Kitchen

- Part time customer service, including cash handling and food safety

2015-2018, **Team Leader/Programmer**, Robotics Club, Kapiti College

- In 2015 I was instrumental in creating the Kapiti College Robotics Club, in the first year we created a small lunch box robot which came first place in a driving competition, and two large metal robots for combat. I designed and programmed these robots.
- In 2016 I taught a class of student's basic python skills for them to program their own robots.

- From 2017-current I manage the students who were building miniature tanks, I make sure they were on task and helped them with hardware and software problems when needed.

2017-2017, **Teacher**, Kapiti College

- I was hired by Ministry of Education for Kapiti College to teach HTML & CSS to NCEA Level 2 classes.

Personal interests/activities

- Built a 3D Printed robot face with moving eyes and mouth alongside accompanying software for text to speech and control.
- I enjoy robotics, 3D printing, programming, electronics and cyber security.
- 2016 Winner of Kapiti Youth Achievement Trust Award.
- Strong interest in classic rock music.
- Participant in the Kapiti Digital Forum Competition 2016 where I developed a student management system in PHP. I completed market research, UX design and software development of the product.

Referees

Additional references available upon request

Tony Temaru

Unify Solutions

Phone: 021472584

Email: tony.temaru@unifysolutions.net

Jake Wills

Creator of MathsNZ, NZGrapher, Assay

Email: hello@jpw.nz

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Rachelle Nash

Rachelle's Kitchen

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