

**Ryan Paton**

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W: [ryan-paton.github.io](https://ryan-paton.github.io)

## PROFILE

I am a hard-working, trustworthy and reliable person with experience in the geotechnical field and have a passion for IT, consistently learning about new technologies.

## TECHNICAL SKILLS

- Developed a website (see link at page top) to showcase personal development projects including: a web page accessing a public REST API; a practical JavaScript tool; a game scripted using GODOT game engine
- Software development: C, C++, Java, JavaScript, Python, PHP and familiar with Bash scripts.
- Fully competent in office software e.g. Microsoft Word, Excel and have experience with databases using MySQL
- Quick at learning new tools and technologies

## AREAS OF EXPERTISE

- Enjoy mental challenges in both the workplace and free time as well as trying new things and learning from them.
- Able to think creatively and adapt to new or unexpected situations whilst working well under pressure.
- Friendly and approachable individual who is always willing to help colleagues and appreciate working as a part of a team to accomplish a common objective. Can confidently collaborate with any existing team, as have worked with diverse workplaces in both New Zealand and the USA.

## EDUCATION

Bachelor of Science (BSc) | University of Canterbury

Major: Computer Science | 2010-2013

- Computer Science studying papers including
  - Data and network Security
  - Technology and Software Engineering
  - Embedded Systems
  - Computational Intelligence

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## EMPLOYMENT

Laboratory Technician | WSP New Zealand Limited | Christchurch  
2018-Current

- Conducting field and laboratory testing on various samples, adhering to NZS standards.
- Constructing reports and presenting to clients
- Scripting macros in Microsoft Excel
- Maintaining frequent calibrated equipment

Tutor at University of Canterbury | Christchurch  
2013, 2018

- Responsible for helping Students to understand course material for the COSC121 and MBIS623
- Revise lab work before it is available to students to ensure correctness.

Field Technician at ENGEO Limited | Christchurch  
2013 - 2017

- Completed Hand Auger/Scala Penetrometer testing and logged Borehole core samples at various locations in Canterbury.
- Operated a Nuclear Densometer for quality assurance, including working on a project in Irvine, California, USA for three months in 2016.
- Assisted with various IT support tasks around the office and communicated with staff in other offices to resolve issues.

## INTERESTS

- Currently building a laser cutter for cutting and engraving wood and acrylic
- Enjoy traveling and the outdoors.

## REFERENCES

Available on request