

Colton Randall

Postgraduate IT / Programming Student

I am a personable, driven and detail-oriented postgraduate programming student with previous experience in bioinformatics. My passion for learning has enabled me to acquire a multifaceted skill-set in biochemistry and technology. Prior work and volunteer experience have helped develop skills in communication, teamwork and adaptability.

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TECHNICAL SKILLS

Programming Java, Python 3, Bash proficiency.

Web Development / Databases JavaScript / JSON, HTML, CSS, Node.js, REACT, SQL

Research and Data Analysis Critical thinking and computational analysis of data and literature. Bioinformatic analysis using Python scripts.

PERSONAL PROJECTS

Personal Website Portfolio (03/2021 - Present)

- Building my first website portfolio applying knowledge acquired throughout my postgraduate studies. Programming languages used so far are HTML, CSS and JavaScript to create a functional webpage.

EDUCATION

Postgraduate Certificate in IT
University of Auckland

03/2021 - Present

Bachelor of Science in Biochemistry
University of Otago

02/2015 - 12/2018

Dunedin, New Zealand

CERTIFICATES

- Java Fundamentals - CodeCademy (11/2020 - 12/2020)

- Programming Fundamentals (Python 3) - Coursera (10/2020 - 11/2020)

- Python 3 - SoloLearn (08/2019 - 12/2020)

- HTML, SQL and JavaScript Fundamentals - SoloLearn (04/2020 - 05/2020)

WORK EXPERIENCE

Bioinformatics Research Assistant
University of Auckland

07/2020 - 03/2021

Auckland, New Zealand

- Project 1: Metagenomics and genome assembly/recovery to improve Aquiluna quality.
- Project 2: Performing molecular dynamic simulations of antimicrobial peptides.

References: Provided on request

VOLUNTEER EXPERIENCE

Volunteer Teacher
Elite Visionary High School

06/2016 - 07/2016

Nairobi, Kenya

- Successfully designed and presented Math and Physics lessons to a class of 40+ students.

Health Administrative Assistant
Kibera Community Health Centre

06/2016 - 07/2016

Nairobi, Kenya

- Helped sick patients gain access to medicine and treatment.
- Aided nurses and doctors in recording important data.