**Luke Davis Fox BA BSc**

**Programmer**

[**foxyflow@contractor.net**](mailto:foxyflow@contractor.net)

# Seeking

Software or Game development work. Programming teaching positions EG Raspberry Pi Pico projects. Retail stores of interest such as Retro, CeX, or skateboardshop stores. Not seeking blockchain development however if you are, email me.

Current Projects public:

Videogame released on itch.io

<https://foxyflow.itch.io/segas-tower-of-power>

Current Projects private:

C++ SDL3 game: Learn Programming via gaming.

Raspberry Pi Pico C++ and Python. Automatic Clothes Pegs. – Hold clothes up to line, pegs

automatically open and close. Ideas welcome.

Previous Employer: Easter 2023 to late 2024 – Fulltime IT technician and consultant for Geeks on Wheels in NZ. However, have moved to London UK.

# Skills from educational and work experience

**Experience:**

###### Educational Experience:

* Linux Bash
* Python
* ASP.Net Core
* C#
* Web Development (JavaScript, CSS, HTML)
* Blockchain (Solidity, Hardhat, Truffle)

###### Software:

* Unreal Engine
* Unity 3D Software (C#)
* Visual Studio
* Adobe Suite software
* Microsoft 365 software
* API creation using JSON
* PHP
* SQL
* C++

###### Software:

* Maya
* Trello (Kanban and Scrum)
* Java Software (Weka for Machine Learning)
* Postman (Backend testing)
* Ubuntu on Windows (Bash)

# Portfolio

[**https://foxyflow.github.io/Portfolio/**](https://foxyflow.github.io/Portfolio/)

Ultimate roll-a-ball Unity game, find switches to activate different songs: <https://www.youtube.com/watch?v=uMmfBBgyuCo>

A series of lessons teaching programming in Python via making a brick-buster game **https://tinyurl.com/LukesLessonsPlaylist**

# Computer experience

After graduating in Applied Computer Science, I worked on a blockchain project for a tattoo artist. The website converted your artwork into an NFT using the ERC721 standard smart-contract and connected to MetaMask.

<https://github.com/foxyflow/BlockchainWork>

###### Additional information

* + I hold a spouse visa for the UK, there is no need for any sponsorship. I simply convert the visa to a working visa after getting the job; The employer does not have to do anything.
  + I hold a current passport, full car, and learner bike license.
  + *Personal hobbies:* Chess; puzzle games; guitar; skateboarding; making electronics.

###### Software role-models

John Carmack; Tim Sweeney; Paul Morris; Jacob Van Silfhout**.**

# Work experience

**IT Technician and Consultant** 2023 to Late 2024 for Geeks on Wheels.

**Printer Technician** at Brother New Zealand. Late 2022 to early 2023.

Developing a 2D retro pixel-art game for Tattoo World using Assembly6502 and NES Maker.

2022 to 2023.

**Blockchain software developer** for NFT\_Flash (January 2022 to April with small start-up company).

**Software consultant** for Manaaki (August. 2021 to December 2021 with Manaaki)

Helping small businesses by teaching the importance of learning programming via a series of videos to understand what is behind the software they pay for, EG Web-builders vs Web-developers, and demonstrating my brand design for ideas about their brand.

Unrelated software work history (while at university)

**Interior Plastering**

Self-employed for the last seven years. *(April 2014 to 2020.)*

<https://foxyflow.wordpress.com/>

Foxstop Plaster Service *(2010 to March 2014.)*

## Weekend Hostel Manager

***Brookfield Accommodation Hamilton NZ*** *(2006 to 2010 4years 4months.)*

This job required administration and management skills; organising trades; managing; diverse and adverse people; Eftpos and till float management; collecting rent; Excel; reports and recommendations etc.

## Barista

#### Red Cart Hamilton East (4+ years while working at Brookfield Accommodation.)

I volunteered mornings for perfecting coffee skills with Rob at Red Cart Hamilton East for many years and remain good friends. If the beans and milk are fresh, I’ll make you a perfect coffee (unless you want sugar).

***Teacher***

Ministry of Education Wellington (6 months set-time contract)

Teaching high school Math. and English NCEA levels. *(2005.)*

Youth Horizons Porirua Wellington (1 year)

Teaching with outdoor activities such as skateboarding. Ages 12 to 15 with

‘Conduct disorders’ (contract with Youth Horizons Porirua Wellington) *(2004.)*

Music Teacher

Teaching guitar over the years to a range of children and adults. *(2001 – 2007 -- 7+ years part-time while studying.)*

# Referees

###### Character reference:

Donavan Hartel Geeks on Wheels

+64212085166

Rob Parr: Coffee maker:

+64221082847

###### Programming teachers and IT work reference:

Any Manager at Geeks on Wheels: 08004ageek

Andrew Chapman*:* former graduate programming supervisor -- Project and Project Management.

[Andrew.chapman@toiohomai.ac.nz](mailto:Andrew.chapman@toiohomai.ac.nz)

Paul Morris: former GUI UI C# UWP (ASP.NET) Teacher from Manchester -- Paul worked on the

first Tomb Raider game.

[paul.morris@toiohomai.ac.nz](mailto:paul.morris@toiohomai.ac.nz%20)

Unrelated employment history: Construction

* + Phil Wickens painter -- 02108575915
  + PM building LTD Phil Murry -- 021-231-1879
  + Luke Blackman, builder -- 027-6901043

###### Hospitality

Former manager at hostel. Colin Nordstrom: +6421-831-094

# Formal Education

*Bachelor of Science: Major in Applied Computing (University of Waikato).*

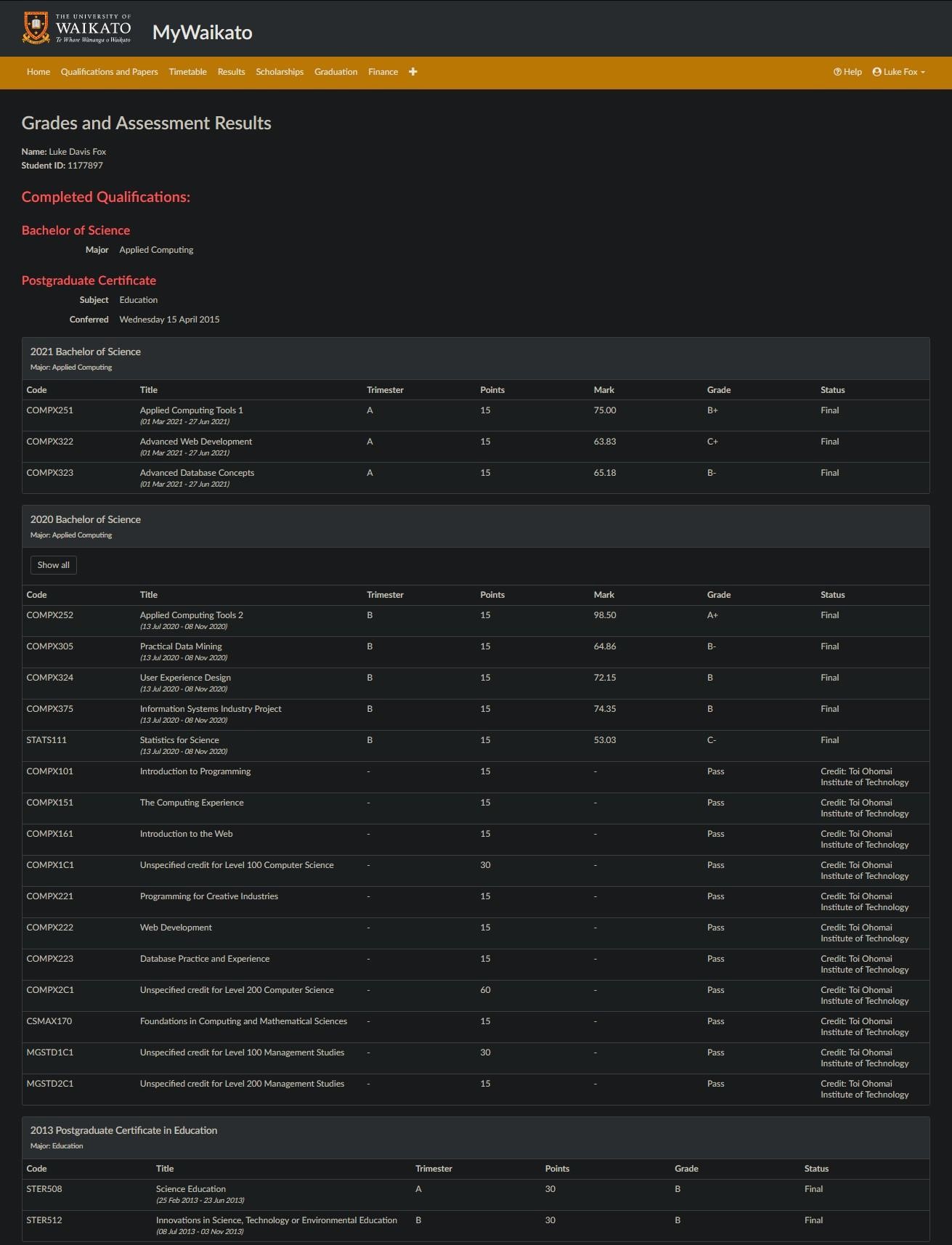
Class representative, volunteering for these papers: Statistics for Science, Applied Computing Tools, and Advanced Database Concepts. Plus, managing and playing in the University of Waikato’s basketball team (good times).

###### Former tertiary education

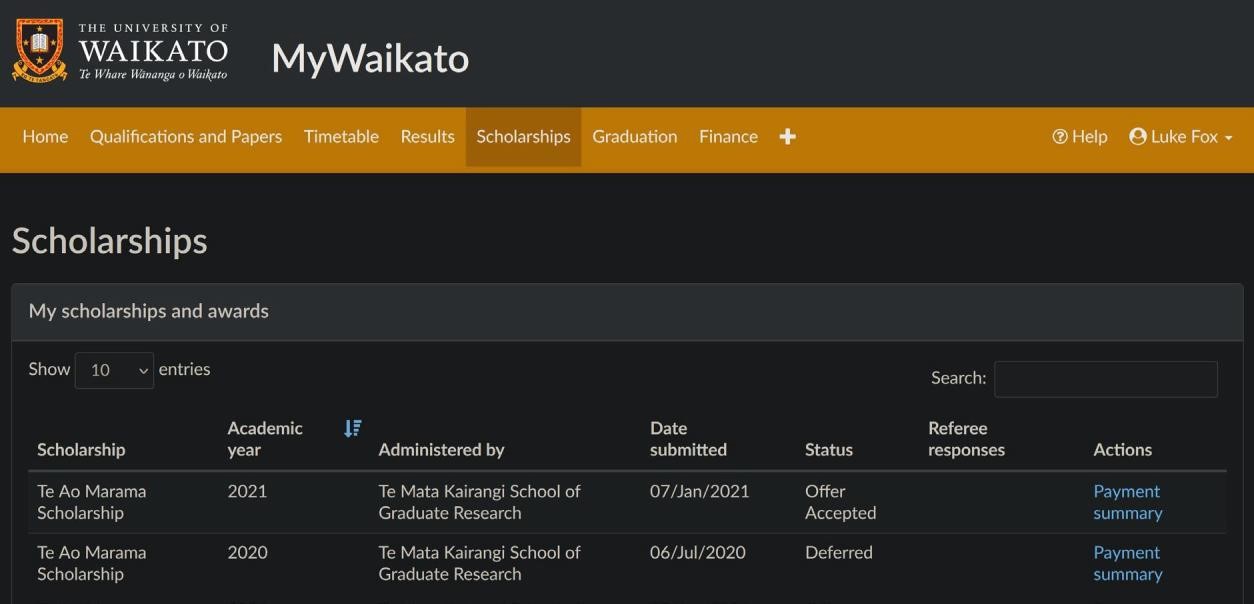
* Postgraduate Certificate in Education (University of Waikato).
* Bachelor of Arts Major in Education (Victoria University of Wellington).
* Contemporary Music Certificate (Nelson School of Music).  Teacher Aide Certificate

(University of Canterbury).

### Certificates and Transcripts



##### Luke Fox 2024 CV



Awarded: University of Waikato’s Te Ao Marama Graduate Scholarship

Luke Fox CV 2024

**TOI-OHO MAI**

**Institute of Technology**

**ACADEMIC RESULTS SUMMARY**

**Luke Davis Fox** 1778 Levers Road Matua Tauranga3110

Student 10; NSN:

30011364

10031986

**Year** Code Title

Final

Mark Final Result

**BACHELOR OF APPLIED INFORMATION** TECHNOLOGY

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **2020** | COMP.6215 | Graphical User Interface Programming | 80.00 | A- |
| **2020** | COMP.6214 | Project 2 | 87.00 | **A** |
| **2020** | COMP.6213 | **Project Management** | 91.00 | **A+** |
| **2019** | COMP.6212 | Data Management | 52.00 | C- |
| **2019** | COMP.6211 | Algorithms and Data Structures | 87.00 | **A** |
| **2019** | COMP.6210 | Web Services and Design Methodologies | 81.00 | A- |
| **2019** | COMP.6209 | Systems Analysis and Design | 62.00 | C+ |

**NEW ZEALAND DIPLOMA IN WEB DEVELOPMENT AND DESIGN !LEVEL51**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **2019** | COMP.5212 | Programming | 98.00 | **A+** |
| **2019** | COMP.5211 | **Application Testingand Maintenance** | 81.00 | A- |
| **2019** | COMP.5210 | Web Application Implementation | 78.00 | B+ |
| **2019** | COMP.5209 | **Interface Analysis and Design** | 88.00 | **A** |
| **2018** | COMP.5204 | **Enterprise** | 93.00 | **A+** |
| **2018** | COMP.5203 | **Professional Practice** | 91.00 | **A+** |
| **2018** | COMP.5202 | Fundamentals of Programming and Problem Solving | 79.00 | B+ |
| **2018** | COMP.5201 | Information Technology Operations | 90.00 | **A+** |

**AWARDS RECEIVED**

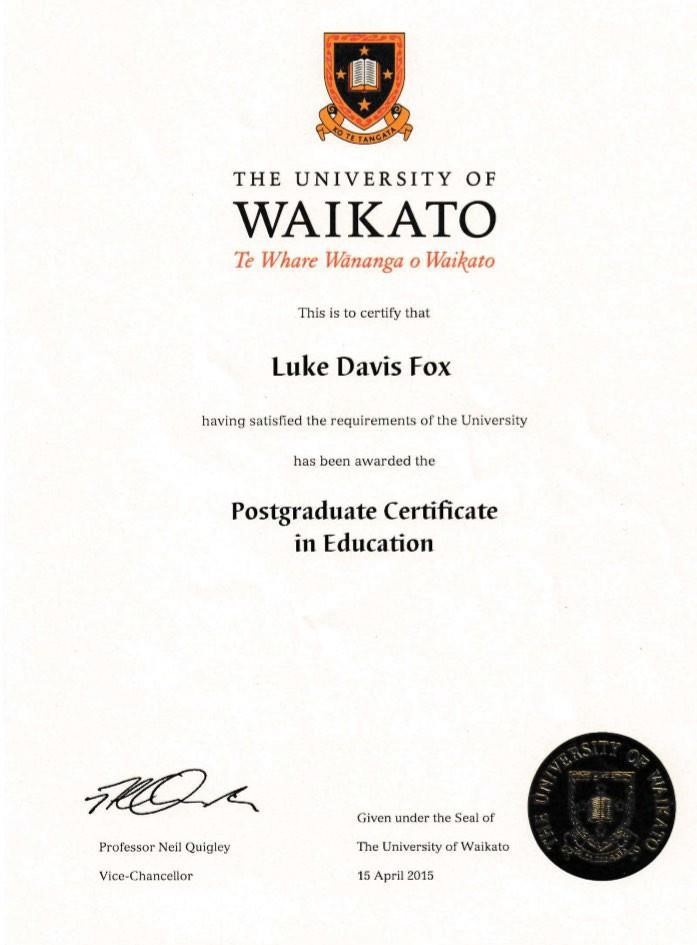
**2019** NEW ZEALAND DIPLOMA IN WEB DEVELOPMENT AND DESIGN {LEVELS) 2598

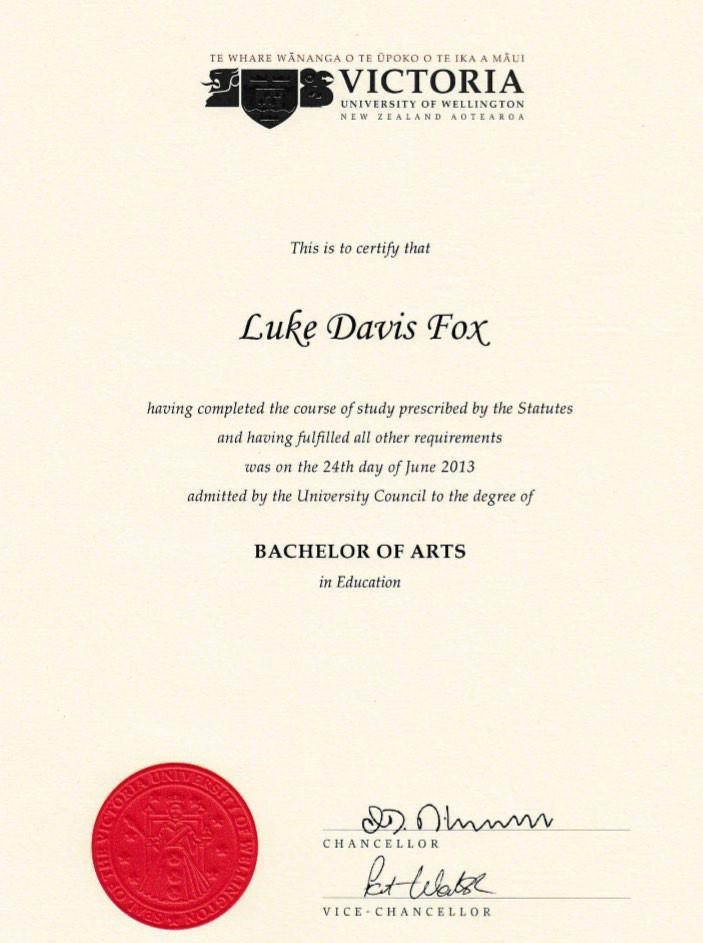
Piikairua o Aotearoa Whanake lpurangi, Hoahoa lpurangi (Pae 5)

24 February 2021 Page **1** of 2

***NOTE: Th{s Academic f?esultsSummory hos been Issued* wirhour *olrerorlat1 or omer,d,nem. Toi Ohomai lnsOtute- of Technology Umited is*an *institutequality assured by NZQA. Both your programme afld qualificuc;on ure recognisedon the New Zealand Qua/JJ,-corionsframework.***

##### Luke Fox CV 2024













Chief Executive

**Issued** on 05/12/2019



Chief Executive

lssued22 August 2019

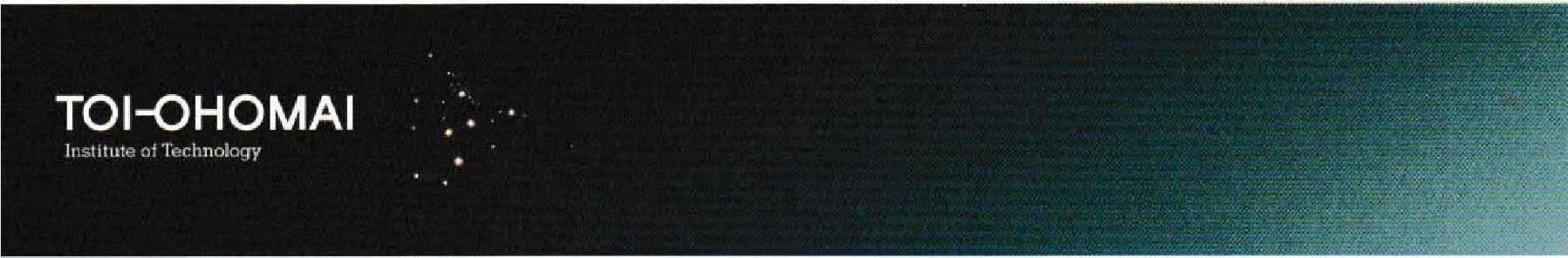
Under the pov1ers awarded to Toi Oh□mai under the Educat on Act 1989

Games Design (Level 3)



has successfully completed the prescribed programme



Under the powers awarded 10 Toi Ohomai under the Education Act 1989

**Games Development**

(Level 3)



has successfully completed the prescribed programme



THE **UNIVERSITY OF**



**WAIKATO**

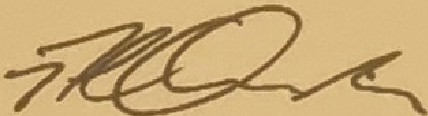
*Te Whare Wananga o Uizikato*

This ts 10 cen1fy that

**Luke Davis Fox**

having satisfied the requuements of the University has been admitted to the Degree of

**Bachelor of Science major in Applied Computing**





Professor Neil Quigley

Vice-Chancellor

Given under the Seal of The University of Waikato I Apnl 2023

Please visit: <https://foxyflow.github.io/Portfolio> for more information and links; <https://github.com/foxyflow> for source codes and projects.

Luke Fox CV 2024