**Luke Davis Fox BA BSc**

**(NZ born) Programmer**

**Te whakatinana Whakaakoranga**

**Implementing Education**

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

# Seeking

Software work. Preferably Game development work. Remote or onsite. Game tester or **Unity** programming.

Also, anything relating to the game industry EG working at Gamestop (EBgames) or CeX and Retro stores.

Current programming projects:

### 2024: Personal project C# Unity puzzle platform game, currently in development:

Tower of Power: <https://github.com/foxyflow/TowerOfPower>

Here is an older game in Unity: <https://www.youtube.com/watch?v=uMmfBBgyuCo>

From Easter 2023 to late 2024 – Fulltime IT technician and consultant for Geeks on Wheels.

# Skills from educational and work experience

**Strong Experience:**

Programming:

4

###### Educational Experience:

[Other languages:](https://github.com/foxyflow)

* Linux Bash
* Python
* ASP.Net Core
* C#
* Web Development
* Blockchain creation

###### Software:

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

###### Software:

* Maya and Blender (3D and 2D modelling)
* Trello (Kanban and Scrum)
* Java Software (Weka (Machine Learning)
* Postman (Backend testing)
* Ubuntu on Windows (Bash)

# Portfolio

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

**A series of lessons teaching programming in Python via a**

**game: https://tinyurl.com/LukesLessonsPlaylist**

**Other projects** [**https://skateboardware.com**](https://skateboardware.com/)

**Enjoy filming and editing for local skateboard scene.**

# Information about myself

I have been programming since the Amica days. More recently, I have created a series of programming videos to teach core concepts such as Object Orientated Programming (OOP) – this is taught using Python for future proofing applications because of its vast versatility in the marketplace and little dependence on developers changing programming libraries … videos on YouTube. <https://www.youtube.com/channel/UC9IZmtiofWELTH9zk8GHxHQ>

After graduating in Applied Computer Science, I got a paid internship as a blockchain developer. Within the remote role I created a website using the Solidity language for the backend with NodeJS and NextJS with JavaScript and ReactJS as the frontend. The website can convert your artwork into an NFT using the ERC721 standard smart-contract and connecting to a web3 platform such as Metamask. I problem-solved how to create, list, and sell NFTs for people – the team bounced ideas however had no developers.

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

###### Additional information

* + I hold a visa for the UK and a place to live in Surrey around London area.
  + I hold a current passport, full car, and learner bike license.
  + *Personal hobbies:* chess and puzzle games, guitar, skateboarding, modding Amiga’s.

###### 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 Tauranga. 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 business via demonstrating and implementing current software products into their roadmaps and lifecycles.

Unrelated work history

**Interior Plastering**

Self-employed for the last seven years. *(April 2016 to 2020.)*

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

Foxstop Plaster Service *(2010 to March 2016.)*

## Weekend Hostel Manager

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

This job required administration and management skills; organising trades; trust with money and time; Eftpos and cash-up using excel; writing reports and recommendations; eviction notices; and a range of diverse people skills.

## 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.

***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).*

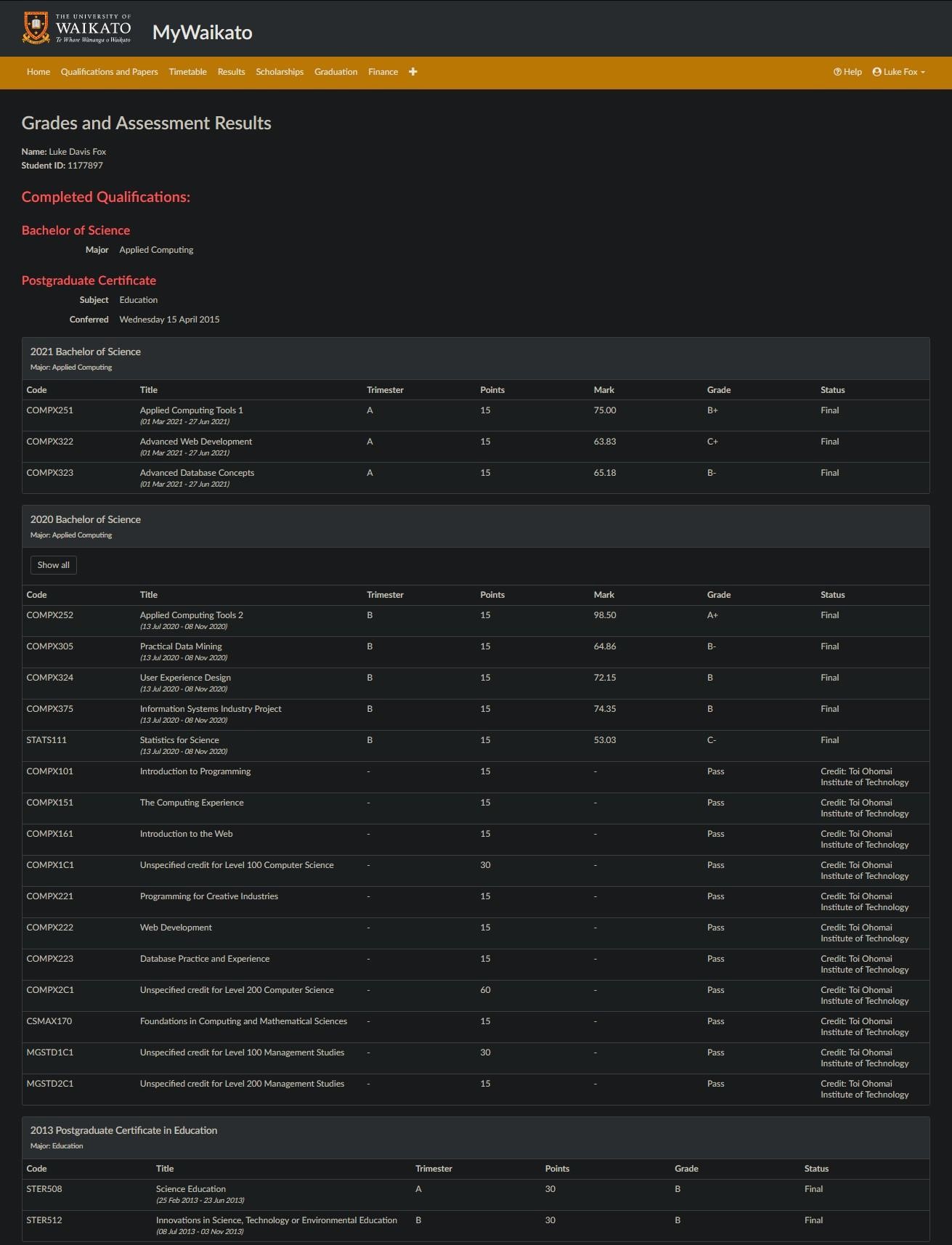
Class representative, volunteering for these papers: Statistics for Science, Applied Computing Tools, and Advanced Database Concepts. Plus, managing and playing in the University of Waikato’s basketball team (good times).

###### Former tertiary education

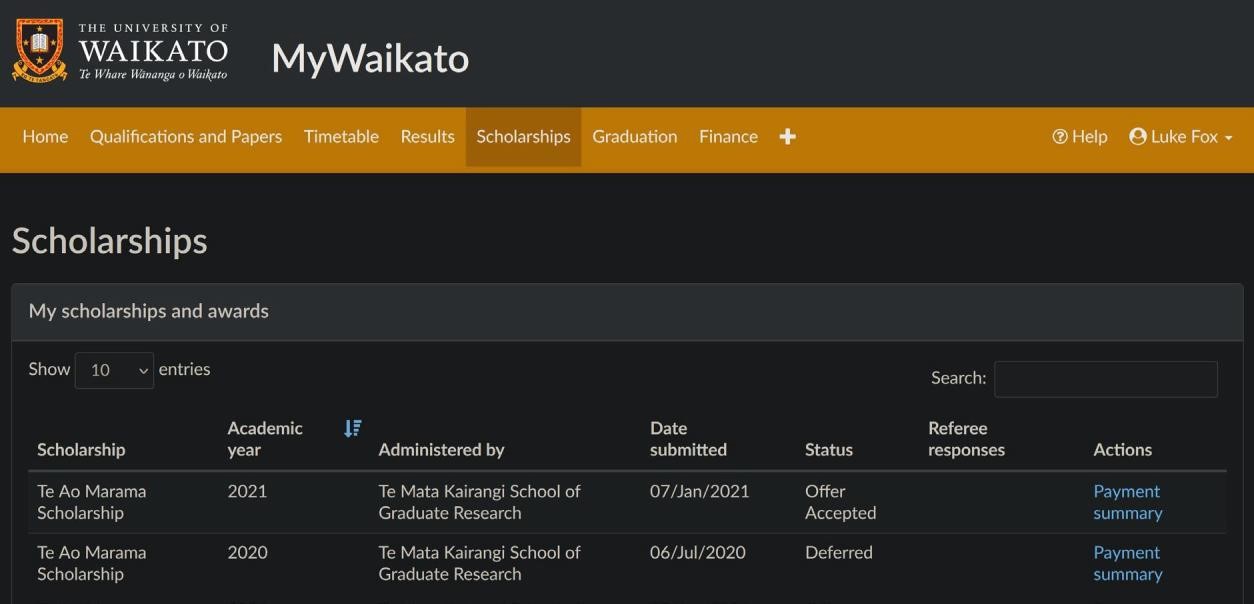
* Postgraduate Certificate in Education (University of Waikato).
* Bachelor of Arts Major in Education (Victoria University of Wellington).
* Contemporary Music Certificate (Nelson School of Music).  Teacher Aide Certificate

(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**

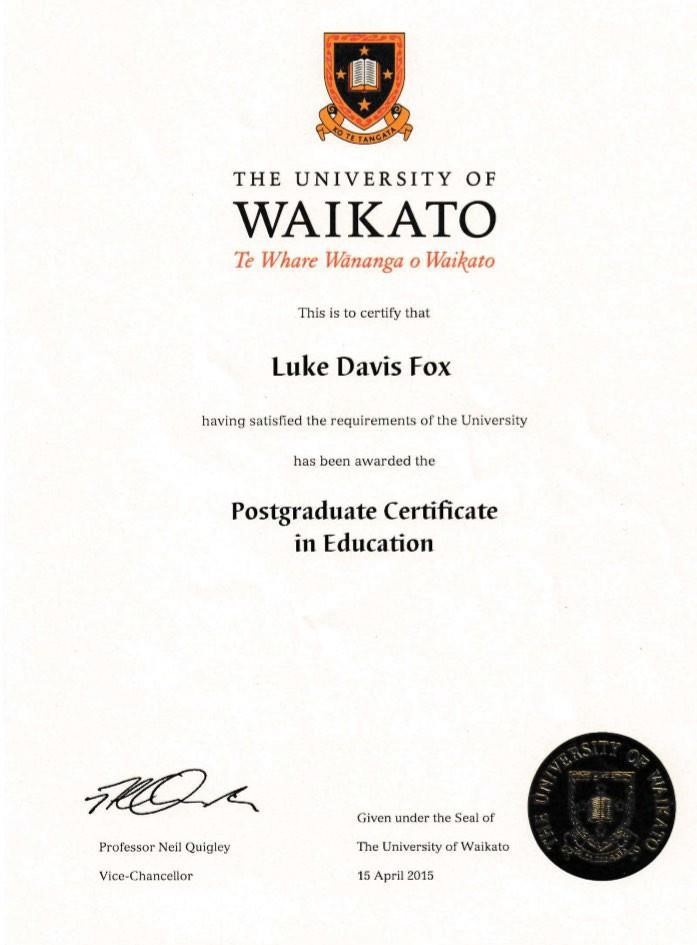
**2019** NEW ZEALAND DIPLOMA IN WEB DEVELOPMENT AND DESIGN {LEVELS) 2598

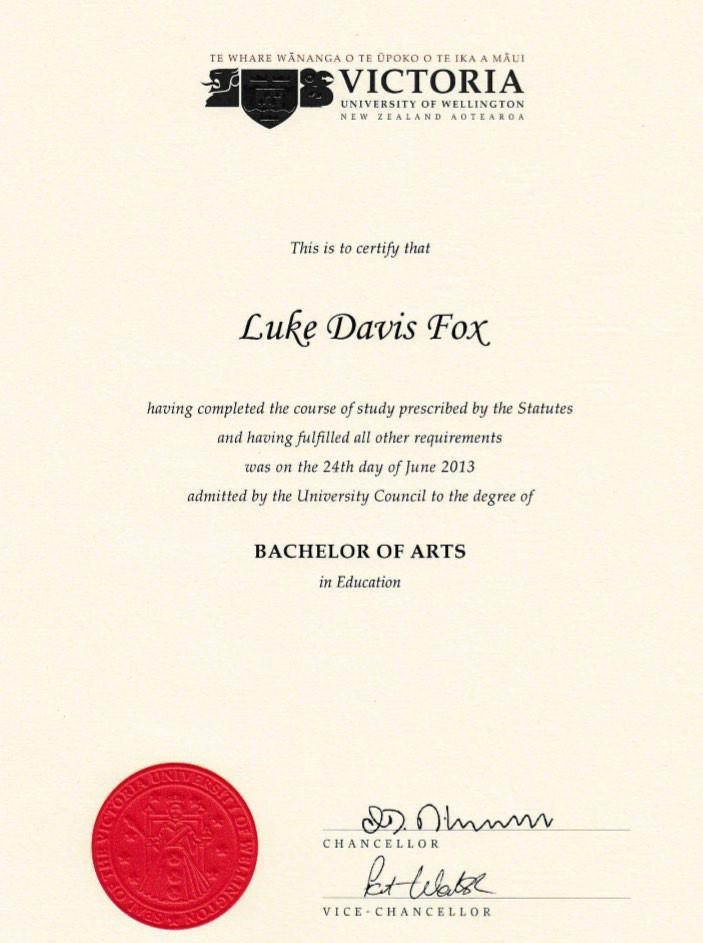
Piikairua o Aotearoa Whanake lpurangi, Hoahoa lpurangi (Pae 5)

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

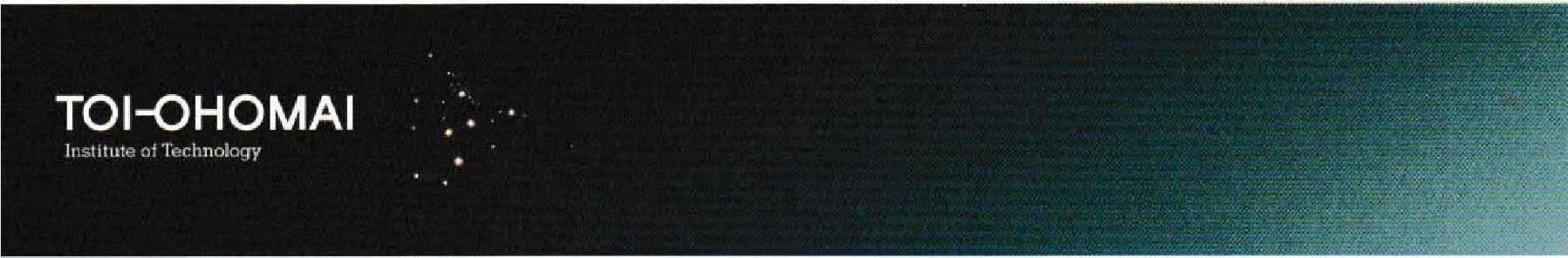
Under the pov1ers awarded to Toi Oh□mai under the Educat on Act 1989

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**

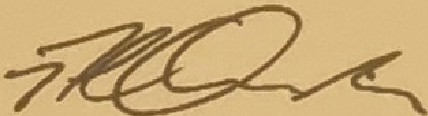
*Te Whare Wananga o Uizikato*

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 Page 14 of 14