

Luke Davis Fox BA BSc Programmer

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:

- 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

Educational Experience:

- Linux Bash
- 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/>

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

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

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



THE UNIVERSITY OF

WAIKATO

To Whare Hinangia o Waikato

MyWaikato

HomeQualifications and PapersTimetableResultsScholarshipsGraduationFinance+

HelpLuke Fox

Grades and Assessment Results

Name: Luke Davis Fox
Student ID: 1177897

Completed Qualifications:

Bachelor of Science

MajorApplied Computing

Postgraduate Certificate

SubjectEducation

ConferredWednesday 15 April 2015

2021 Bachelor of Science

Major: Applied Computing

Code	Title	Trimester	Points	Mark	Grade	Status
COMPX251	Applied Computing Tools 1 <i>(01 Mar 2021 - 27 Jun 2021)</i>	A	15	75.00	B+	Final
COMPX322	Advanced Web Development <i>(01 Mar 2021 - 27 Jun 2021)</i>	A	15	63.83	C+	Final
COMPX323	Advanced Database Concepts <i>(01 Mar 2021 - 27 Jun 2021)</i>	A	15	65.18	B-	Final

2020 Bachelor of Science

Major: Applied Computing

Show all

Code	Title	Trimester	Points	Mark	Grade	Status
COMPX252	Applied Computing Tools 2 <i>(13 Jul 2020 - 08 Nov 2020)</i>	B	15	98.50	A+	Final
COMPX305	Practical Data Mining <i>(13 Jul 2020 - 08 Nov 2020)</i>	B	15	64.86	B-	Final
COMPX324	User Experience Design <i>(13 Jul 2020 - 08 Nov 2020)</i>	B	15	72.15	B	Final
COMPX375	Information Systems Industry Project <i>(13 Jul 2020 - 08 Nov 2020)</i>	B	15	74.35	B	Final
STATS111	Statistics for Science <i>(13 Jul 2020 - 08 Nov 2020)</i>	B	15	53.03	C-	Final
COMPX101	Introduction to Programming	-	15	-	Pass	Credit: Toi Ohomai Institute of Technology
COMPX151	The Computing Experience	-	15	-	Pass	Credit: Toi Ohomai Institute of Technology
COMPX161	Introduction to the Web	-	15	-	Pass	Credit: Toi Ohomai Institute of Technology
COMPX1C1	Unspecified credit for Level 100 Computer Science	-	30	-	Pass	Credit: Toi Ohomai Institute of Technology
COMPX221	Programming for Creative Industries	-	15	-	Pass	Credit: Toi Ohomai Institute of Technology
COMPX222	Web Development	-	15	-	Pass	Credit: Toi Ohomai Institute of Technology
COMPX223	Database Practice and Experience	-	15	-	Pass	Credit: Toi Ohomai Institute of Technology
COMPX2C1	Unspecified credit for Level 200 Computer Science	-	60	-	Pass	Credit: Toi Ohomai Institute of Technology
CSMAX170	Foundations in Computing and Mathematical Sciences	-	15	-	Pass	Credit: Toi Ohomai Institute of Technology
MGSTD1C1	Unspecified credit for Level 100 Management Studies	-	30	-	Pass	Credit: Toi Ohomai Institute of Technology
MGSTD2C1	Unspecified credit for Level 200 Management Studies	-	15	-	Pass	Credit: Toi Ohomai Institute of Technology

2013 Postgraduate Certificate in Education

Major: Education

Code	Title	Trimester	Points	Grade	Status
STER508	Science Education <i>(23 Feb 2013 - 23 Jun 2013)</i>	A	30	B	Final
STER512	Innovations in Science, Technology or Environmental Education <i>(08 Jul 2013 - 03 Nov 2013)</i>	B	30	B	Final



Scholarships

My scholarships and awards

Show entries

Search:

Scholarship	Academic year	Administered by	Date submitted	Status	Referee responses	Actions
Te Ao Marama Scholarship	2021	Te Mata Kairangi School of Graduate Research	07/Jan/2021	Offer Accepted		Payment summary
Te Ao Marama Scholarship	2020	Te Mata Kairangi School of Graduate Research	06/Jul/2020	Deferred		Payment summary

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

ACADEMIC RESULTS SUMMARY

Luke Davis Fox
1778 Levers Road
Matua
Tauranga 3110

Student ID: 30011364
NSN: 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 (LEVEL 5)				
2019	COMP.5212	Programming	98.00	A+
2019	COMP.5211	Application Testing and 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 Ipurangi, Hoahoa Ipurangi (Pae 5)

NOTE: This Academic Results Summary has been issued without alteration or modification. Toi Ohomai Institute of Technology Limited is an institute of technology quality assured by NZQA. Both your programme and qualification are recognised on the New Zealand Qualifications Framework.



THE UNIVERSITY OF
WAIKATO
Te Whare Wānanga o Waikato

This is to certify that

Luke Davis Fox

having satisfied the requirements of the University

has been awarded the

**Postgraduate Certificate
in Education**

Professor Neil Quigley
Vice-Chancellor

Given under the Seal of
The University of Waikato
15 April 2015





This is to certify that

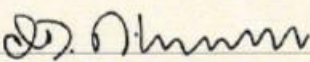
Luke Davis Fox

*having completed the course of study prescribed by the Statutes
and having fulfilled all other requirements
was on the 24th day of June 2013
admitted by the University Council to the degree of*

BACHELOR OF ARTS

in Education




CHANCELLOR


VICE-CHANCELLOR



Under Part 20 of the Education Act 1989,

New Zealand Diploma in Software Development
(Level 6)
2604

This is to certify that on 27 May 2021

Luke Davis Fox

has met the requirements of the programme leading to the above qualification
and was awarded this qualification by Toi Ohomai Institute of Technology

Chief Executive

Issued on 27/05/2021



NSN: 0010031986



Under Part 20 of the Education Act 1989,

New Zealand Diploma in Web Development and Design
(Level 5)
2598

This is to certify that on 15 August 2019

Luke Davis Fox

has met the requirements of the programme leading to the above qualification
and was awarded this qualification by Toi Ohomai Institute of Technology

Chief Executive

Issued on 15/08/2019



NSN: 0010031986



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

Games Design (Level 3)

Luke Davis Fox

has successfully completed the prescribed programme

Chief Executive
Issued on 05/12/2019

30011364T00058



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

Games Development (Level 3)

Luke Davis Fox

has successfully completed the prescribed programme

Chief Executive
Issued 22 August 2019



THE UNIVERSITY OF
WAIKATO

Te Whare Wananga o Uizikato

This is to certify that

Luke Davis Fox

having satisfied the requirements 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
1 April 2023



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