

**Luke Davis Fox BA BSc
Software
Development/
Programming**

**foxyflow@contractor.net
Ph: 07884599050**

Seeking

Software or Game development/design work. Or teaching programming. Have been applying for: Game studio positions; C# Unity positions; Unreal positions; teaching positions. Retail stores of interest such as Retro game or CeX game stores. Not seeking blockchain development however if you are, email above.

Current projects:

Public: C# Unity Project (Windows only; currently optimising for Android port).
Videogame released on itch.io
<https://foxyflow.itch.io/segas-tower-of-power>
(or play over the browser in my portfolio)

Private: Projects in the works (project for C++ work)
C and Assembly 68000: Creating an action retrogame to teach programming
Raspberry Pi PicoW C++ and Python to accommodate networking.

Summary

I enjoy programming and design, however, am not limited to programming, I have retail and other IT experience.

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

Skills from educational and work experience

Experience:

- Python
- ASP.Net Core
- C# Object Oriented.
- 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/>

Another game: 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 concepts 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 have the right to work in the UK (NZ and AU).
- I hold a current passport, full car, and bike license.
- *Personal hobbies:* Chess; puzzle games; guitar; skateboarding; electronics.

Software role-models

John Carmack; Tim Sweeney; Bjarne Stroustrup; Paul Morris; Jacob Van Silfhout.

Work experience

Fulltime IT Technician and Consultant 2023 -- 2024 for Geeks on Wheels.

Helping business and home clients with IT/computer problems – boot issues, email setup, upgrading and selling computer internet hardware or software; installing TVs etc.

Printer Technician at Brother New Zealand. Late 2022 to early 2023, building and configuring Brother technology.

Developing a 2D retro pixel-art game for Tattoo World using Assembly6502 and NES Maker. 2022 to 2023. Edited NES Maker's Documentation from all the spelling and grammar errors.

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 several years. (*April 2014 to 2020.*)
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 (NZ)

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).

Please visit: <https://foxyflow.github.io/Portfolio> for certification and other projects.

<https://github.com/foxyflow> for source code.

Certificates and Transcripts



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Home

Qualifications and Papers

Timetable

Results

Scholarships

Graduation

Finance

+

Help

Luke Fox

-

Grades and Assessment Results

Name: Luke Davis Fox

Student ID: 1177897

Completed Qualifications:

Bachelor of Science

Major: Applied Computing

Postgraduate Certificate

Subject: Education

Conferred: Wednesday 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>(25 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 |

Luke Fox 2024 CV



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HomeQualifications and PapersTimetableResultsScholarshipsGraduationFinance+

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Scholarships

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Show 10 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
[Redacted]
[Redacted]
[Redacted]

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+ |



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

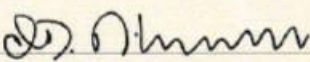
Luke Davis Fox

*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

A handwritten signature in black ink, appearing to read 'Nava', written over a light blue grid background.

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

A handwritten signature in black ink, appearing to read 'Nava', written over a light blue grid background.

Chief Executive
Issued 22 August 2019



THE UNIVERSITY OF
WAIKATO
Te Whare Wananga o Waikato

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



