

# Luke Harrison

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🌐 Luke Harrison | 🌐 lukitalemon | 🌐 Personal Website

## EDUCATION

### University of Auckland

*Bachelor of Science (BSc) majoring in Computer Science*

Mar. 2022 – Nov. 2024  
Auckland, New Zealand

- GPA: **(B+/A- average)**
- Award: Certificate of Outstanding Achievement 120 Mathematics for Computer Science
- Award: Certificate of Outstanding Achievement 111 Introduction to Practical Computing

### Macleans College

*Cambridge International*

Feb. 2017 – Nov. 2021  
Auckland, New Zealand

- Mathematics, English Language, Economics, Business

## EXPERIENCE

### Cafe Green Fingers: Barista | Co-Manager

Dec. 2018 – Oct. 2023

- Oversaw daily operations and **trained new baristas**, ensuring smooth service and team performance.

### Harrison Landscaping: Administrator

Nov 2023 – Jan 2024

- Assisted in coordinating projects at Harrison Landscaping, utilizing XERO for data management and financial administration tasks.

## PROJECTS

### Web-based Game Library

- Developed a **full-stack** digital game library akin to Steam, integrating **Python, Flask, SQL Lite, HTML, CSS**, and **Jinja** for seamless front-end to back-end connections.
- Utilized **GitHub** for collaboration and focused on robust testing with SQL and **Pytest** to ensure code reliability.

### MP3 Music Player Application

- Developed a Java MP3 Music Player using **JDK 18+**, **Mp3Magic**, **JLayer**, and **JAudioTagger** for audio manipulation, playback, and playlist features.
- Implemented features for **song playback**, displaying song titles/artists, managing song length, and **custom playlist creation**/loading, enhancing user interaction and experience.

### Connect 4 | Player vs SmartBot

- Used variables, types, conditionals, loops, functions, error handling, and structures (lists, tuples, dictionaries) with **object-oriented programming** (classes, objects). Improved code with debugging and testing.

## VOLUNTEER EXPERIENCE

### Tutor: A-Level Economics

Feb. 2021 – Nov. 2021

Boosted student grades and understanding in economics through effective mentoring, building their confidence.

### Tutor: AS Mathematics

Feb. 2022 – Nov. 2022

Provided personalized math tutoring, boosting students' grades and understanding of concepts.

## PROFICIENCIES

**Programming Stack** : Python, R, Java, HTML, CSS

**Other Tools/Frameworks** : Git, Github, Zoom, Excel, Latex, XERO, Pytest, SQL Lite, Flask, Jinja

References will be provided upon request.