

# Curriculum Vitae of Jarryd Harker

## Personal

Full Name: Jarryd Aiden Harker

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DOB: 22/04/2002

Email: [jarrydharker2001@gmail.com](mailto:jarrydharker2001@gmail.com)

Driver's License: Code B

LinkedIn: [www.linkedin.com/in/jarryd-harker-35b99621b](https://www.linkedin.com/in/jarryd-harker-35b99621b)

Own transport: Yes

GitHub: <https://github.com/JarrydHarker>

Disabilities: None

Website: <https://jarrydharker.github.io/Portfolio/>

## Professional Summary

I am a motivated computer science graduate with a strong foundation in software development, data structures, and algorithms. I am experienced in building web applications using modern frameworks and passionate about solving complex problems.

## Education

### **Bachelor of Computer and Information Sciences in Application Development**

Varsity College Nelson Mandela Bay, South Africa February 2022 - December 2024

Average: 85.33% - across all modules, across all three years

#### Relevant Modules:

- Programming
- Databases
- Cloud Development
- Systems Analysis and Design
- IT Project Management
- Open-Source Coding (Mobile Development)
- Principles of Security
- Application Development Security
- Work Integrated Learning

### **National Senior Certificate**

Grey High School, Port Elizabeth, South Africa 2016 - 2020

## Work Experience

Packer at Albatross Wholesale – August 2022 to November 2022

Packed, shipped, and managed stock for shipping and drove the company vehicle to fetch stock from suppliers.

## Technical Skills

Programming Languages:	Web Development:	Databases:	Tools:	Other:
C#	HTML	MySQL	Git	Blender
Kotlin	CSS	Firebase	Docker	Unity
JavaScript	ASP.NET Core	SQL Server	Azure	
Java				
C++				

## Soft Skills

Integrity      Teamwork      Fast Learner      Adaptable      Driven      Communication  
Accountability

## Volunteering

Word of Faith Christian Centre, 2015 to Present – I volunteer in the Sunday school, initially handling media and technical areas e.g. sound, video, lighting. Later, I was moved into a teaching role and currently I am in a leadership role where I manage my own class of 20-30, 4 to 5-year-olds and a team of other volunteers.

## Achievements

EP u/18 Basketball – 2018

Grade 7 on Tuba through Trinity College London - 2019

Varsity College Top Achievers – 2022 to 2024

## Hobbies

Gym      Music Production      Chess      Sports

## Projects

### Municipal Ticket System

- Created a WPF application using C#, WPF, and SQL Server.
- Designed and implemented an AI chatbot, using Ollama API integration, to assist with user queries.
- Used queues, linked lists, graphs, and binary search trees
- GitHub: <https://github.com/JarrydHarker/Prog-Poe-Public>

### Automated Attendance Tracking System (Team Lead)

- Led a team of 5 students in developing an automated attendance tracking system for the university.
- Prototyped and built a physical device using ESP32 microcontrollers and C++.
- Developed the scanning logic and an Azure-hosted API to send attendance data to an Azure SQL database.
- Coordinated the efforts of team members responsible for building the UI and screens of the device.
- Developed a PWA for the system UI using C# and JavaScript.
- GitHub:
  - Website: <https://github.com/JarrydHarker/Work-Integrated-Learning-public->
  - API: <https://github.com/JarrydHarker/Work-Integrated-Learning-API->

### Limitless (Team Lead)

- Led a team of 5 students in developing a mobile application while being the sole back-end developer.
- Developed a mobile application using Kotlin that connects to Firebase for real-time data synchronization.
- Implemented user authentication and data storage functionalities.
- Conducted code reviews and mentored team members on best practices.
- GitHub:
  - App: <https://github.com/JarrydHarker/Limitless- public>
  - API: <https://github.com/JarrydHarker/Limitless-API->

## References

Lauren Johnson: +27 68 073 1298 (Word of Faith Christian Centre)

Reece Wanvig: +27 74 106 7412 (Lecturer for several modules at Varsity College)