

Ryan Pienaar

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Dedicated and versatile BSc Software Development student with a unique blend of hands-on experience and academic expertise. Strong teamwork and peer-to-peer communication skills ensure efficient operations in high-pressure environments. Academic background includes two years of study in BCom Mathematical Sciences at Stellenbosch University and ongoing BSc Software Development studies at the Technological University of Shannon. Experience at Tuscany Bistro has further developed attention to detail and the ability to maintain high standards under tight deadlines, particularly in the role of Kitchen Porter. Eager to bring fresh ideas and contribute meaningfully to a hard-working team during my work placement.

EDUCATION

TECHNOLOGICAL UNIVERSITY OF SHANNON

BSc Software Development

Limerick, Ireland

09/2023 – Present

Progressed into my second year of study at TUS. Current course material includes programming in PHP, utilizing an MVC framework, and .NET. Started building my own PHP MVC framework named "lyka-core", which can be found on my GitHub.

- Overall average grade of **82.5%** achieved for year 1.
- Average grade of **80%** achieved for year 2, semester 1.
- On track to achieve an overall average grade of **80%+** for year 2.

STELLENBOSCH UNIVERSITY

BSc Software Development

Stellenbosch, South Africa

03/2021 – 12/2022

Completed two years of study in Mathematical and Computer Sciences at Stellenbosch University, South Africa, before relocating to Ireland. This is where foundational knowledge about computer architecture, ASM x86, Java and C were acquired. Unix based operating systems such as Linux were mainly used when developing in ASM x86 and C.

- Average grade of **75%** acquired for year 1.

EMPLOYMENT

TUSCANY BISTRO

Kitchen Porter

Balina, Co. Tipperary, Ireland

09/2023 - Present

Employed at Tuscany Bistro, accumulating over 1,000 working hours. Gained experience working as part of a professional team in a high-pressure environment. Responsibilities extend beyond kitchen porter duties to include various other kitchen-related tasks:

- Sorting and washing on average 250+ dishes, cutlery, and kitchenware (pans, pots, ...) per shift.
- Ensure 100% cleanliness following HSE standards.
- Processed 10-20 weekly product orders.
- Keep inventory of cleaning products and equipment.

TECHNICAL SKILLS

- Version control using **Git** and **GitHub**.
- Containerization with **Docker**.
- Web development with **HTML**, **CSS**, **JavaScript** and **PHP**.
- Using package managers like **npm** and **Composer**.
- Database design with **SQL** using **MySQL** & **MariaDB**
- Application development with **Java**, **C**, **C++**, **C#**, **Python** and **x86 Assembly**.
- Professional presentation of **Microsoft Word** and **Excel** documents
- Typing speed of 80 words per minute with 90% accuracy in **English** and **Afrikaans**.
- **Linux** command line.
- **Windows** bash scripting.
- **Communication** and **teamwork**.
- **Efficient** in fast-paced environments.
- Networking and cloud computing with **AWS**.

INTERESTS & ACHIEVEMENTS

- Web application framework development.
- Started development on a website using **Next.js**, **React** and **Supabase**.
- Working on building a forums web application, lynx-forums.
- Created a php Composer package, lyka-core, hosted on packagist.org.
- Class representative for Computer Science year 1 module at Stellenbosch University.
- Class representative for Actuarial Science year 1 module at Stellenbosch University.
- Class representative for 1st year software development at TUS.
- Minecraft mod development in Java.
- Large Language Models such as DeepSeek R1 and ChatGPT 03-mini.
- Enjoy hiking trails in forests.
- Traveling all over Ireland and seeing new places.
- Classical music with instruments like the Violin and Cello.