

Ryan Kelley

Currently studying a Diploma of Information Technology (Advanced Programming) at TAFE, where I'm gaining hands-on experiences through practical projects. Skilled in Backend SaaS development and Low-level programming.

EDUCATION

North Metro TAFE, Northbridge — *Diploma of Information Technology (Advanced Programming)*

FEBRUARY 2025 - DECEMBER 2025

EXPERIENCE

Self-Employed, Mahogany Creek — *Software Developer*

SEPTEMBER 2024 - PRESENT

- Collaborated with developers and stakeholders to integrate systems, and deliver reliable, user-focused solutions.
- Debugged and optimized applications to ensure smooth functionality and long-term maintainability.

Bloom & Grow Education, Remote — *Video Editor*

JANUARY 2023 - NOVEMBER 2023

- Edited videos for clarity and engagement by cutting dead space, adding B-roll, and correcting verbal mistakes.
- Delivered high-quality, accessible content with subtitles and quick turnaround times.

PROJECTS

Stock Price Prediction — Stock Forecasting Neural Network

MARCH 2025 - PRESENT

A custom-built neural network system that analyzes historical stock performance to predict future trends.

- Designed and implemented a neural network for probability-based stock predictions
- Built a web app and GUI used for visualizing trends
- Tested multiple neural architectures to optimize performance

AI Assistant “Yuki” — *Voice-Powered Productivity Assistant*

DECEMBER 2024 - PRESENT

An AI voice assistant built to support makers and developers by handling routine tasks and enhancing workflow efficiency.

- Integrated speech recognition and TTS using Python libraries
- Designed extensible architecture for easy feature expansion
- Optimized response time and voice recognition accuracy

Mahogany Creek, Western Australia (WA)

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[Portfolio Website](#)

github.com/sparrowsaurora

PERSONAL SKILLS

Clear verbal/written communication for code documentation and team collaboration

Strong teamwork with developers and project managers

Organised in managing code, workflows, and update records

Attentive listener for understanding project and client needs

Skilled in coordinating tasks, resources, and timelines

PRACTICAL SKILLS

Proficient in Python, C#, C++, and Rust

Experience in JavaScript, HTML, CSS, SQL, and PHP

Experienced with Git and GitHub for version control

Strong grasp of OOP and data structures

Skilled in using terminal systems (e.g., BASH)

LANGUAGES

Python Rust C++

C# JavaScript SQL

PHP HTML CSS

German (beginner)

English (native)