

Wade Simpson

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Experience

Reutech Radar Systems

Jul 2022 – Sep 2022

Software Engineer Intern

Part-Time

- Acquired insights into the technology operations in the mining industry, particularly the use of scanners to detect potential hazards for mining vehicles and how the entire mining environment used software.
- Developed a weather forecasting app independently using frontend technologies and integrated APIs, with the intention of potentially helping mine workers with weather-related safety information.
- Utilized skills such as frontend development, API integration, data analysis, research, and documentation.

NNZ Packaging

Aug 2025 – Now

Junior Data Analyst

Part-Time

- Built automated reporting systems in Excel using advanced formulas, linked sheets, and dynamic dashboards to simplify and accelerate data analysis.
- Developed visualizations (charts, graphs, summaries) to present large datasets clearly, supporting data-driven business decisions.
- Automated workflows using TypeScript, Power Automate, and Excel tables, reducing repetitive tasks and improving process efficiency.

Education

CTU Training Solutions, Stellenbosch, CT

Jan 2021 - Mar 2024

Diploma, Software Development

Relevant Coursework: DSA, Cloud Fundamentals, DevOps Engineering, Java Development, IT Project Management, Database Infrastructure, Linux, Cybersecurity Practices.

Highschool Labori, Paarl, CT

Jan 2016 – Dec 2020

Subjects: Afrikaans Home Language, English First Additional Language, Life Orientation, Mathematics, Computer Applications Technology, Information Technology, Business Studies.

Projects

CoinTrack

Python

- CoinWatch is a Python-based bitcoin tracking program.
- It enables users to monitor the prices and performance of various cryptocurrencies, providing real-time updates and analysis.

School Management System

Java

- Developed a Java-based School Management System utilizing Swing for the GUI, demonstrating proficiency in object-oriented programming and graphical user interface design.
- Employed MySQL as the backend database management system, ensuring efficient data storage, retrieval, and management.
- Implemented CRUD functionalities, allowing users to seamlessly add, edit, and remove student and teacher records, enhancing administrative efficiency and workflow management.

Technical Skills

Languages: Python, Java, C#, HTML5, CSS, JavaScript, TypeScript, SQL

Frameworks & Libraries: React.js, Node.js, Flask, Django, NumPy, pandas

Development Tools: Git, Docker, Microsoft Azure, Microsoft SQL Server, MySQL