

Jordan Ward

📍 Stellenbosch ✉ jordyward041@gmail.com ☎ 082 678 0923 🔗 jmw-industries.vercel.app 🌐 Jordy-Ward

About Me

I'm an aspiring software developer currently completing my final year of undergraduate studies in Computer Science and Applied Mathematics at Stellenbosch University. I have been accepted into SU's Honours program in Computer Science and am very excited to dive deep into advanced topics. I enjoy building projects, exploring machine learning, and challenging myself with new technologies. Outside of academics, I'm passionate about fitness, golf, and playing music.

Education

BSc Stellenbosch University, Computer Science and Applied Mathematics Feb 2021 – Dec 2025

- Accepted to Computer Science Honours for 2026
- **Coursework:** Concurrency, Computer Networks, Web Development, Databases, Advanced Calculus, Linear Algebra, Matrix Decompositions, Fluid Mechanics, Fourier Analysis, Numerical Methods, Discrete Mathematics

Experience

George Municipality, Dec 2018 - Jan 2021 George, Western Cape

- Worked as a lifeguard at Gwaing and Wilderness beaches.
- Learned quickly the importance of responsibility from within the water safety industry and thoroughly enjoyed it.

Impact.com, Jul 2024 – Nov 2024 Century City, Cape Town
[021 914 1764](tel:0219141764)

- Final-year industry project with Stellenbosch University
- Worked in a team of five to build a social graph engine using Neo4j and the GitHub API
- Developed a natural language query chatbot powered by VertexAI that answers natural language prompts about GitHub data

Dorp Bar, Dec 2023 – Jan 2025 Stellenbosch, Western Cape
[069 334 5195](tel:0693345195)

- Worked in the service industry as a waiter during peak seasons

Personal Projects

JMW Portfolio ([Live Site](#)), ([GitHub](#))

- Full-stack Java-based portfolio site to showcase my work and personal brand
- Built with Java Spring Boot (backend), React (frontend), PostgreSQL on Supabase
- Backend hosted on Railway, frontend deployed via Vercel
- Includes a messaging platform and project showcase dashboard

FinData ([GitHub](#))

- Explored predictive financial modeling using Python and machine learning
- Based on the 2024 Prescient Investment Management hackathon prompt
- Generated 1-day-ahead trading signals across 100 US stocks to form a daily top-10 portfolio
- Evaluated performance using a total return index over the test period

Java Swing Game: Bouncing Balls ([GitHub](#))

- Java Swing game with realistic 2D physics, scoring logic, and GUI
- Inspired by the pull-and-release mechanics of Angry Birds

- Focused on motion physics, visual feedback, and game design

Prescient Investment Management Hackathon 2025 ([GitHub](#))

- Participated in Prescient's 2025 annual bond trading hackathon
- Generated 1-day-ahead bond signals and selected daily weights to form a portfolio
- Constraints included: 100% total portfolio weight, modified duration proximity to ALBI, trading cost considerations

Technical Skills

Java, Python, JavaScript, React, Spring Boot, PostgreSQL, Supabase, Neo4j, VertexAI, Git, REST APIs, LaTeX, HTML/CSS