

Jordan Ward

📍 Stellenbosch

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👤 Jordy-Ward

About Me

I'm an aspiring software developer who has just completed my BSc Computer Science and Applied Mathematics degree at Stellenbosch University. I have been accepted into SU's 2026 Honours program in Computer Science and am very excited to dive deeper 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 , Graduated in Computer Science and Applied Mathematics	Feb 2021 – Dec 2025
	• Coursework: Concurrency, Computer Networks, Web Development, Databases, Advanced Calculus, Linear Algebra, Matrix Decompositions, Fluid Mechanics, Fourier Analysis, Numerical Methods, Discrete Mathematics	
BSc	Stellenbosch University , Honours Computer Science 2026	Feb 2021 – Dec 2025
	• Coursework: TODO	

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
• Final-year industry project with Stellenbosch University	
• Worked in a team of five to build a social graph engine using Neo4, Vertex AI 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
• 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