

# Dakalo Makatu

## BACHELOR OF COMMERCE (HONOURS) – INFORMATION SYSTEMS GRADUATE

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### PROFILE

I am a dedicated and driven individual passionate about technology and developing innovative solutions. My academic background has equipped me with a solid foundation in Cybersecurity, Database Management, System Development, Web App Development, and Data Analysis. I thrive in dynamic and collaborative environments, where I can apply my analytical skills and problem-solving mindset to solve real-world problems that create business value and contribute to society's well-being.

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### EDUCATION

#### University of Cape Town

Jan 2023 – Jun 2024

Bachelor of Commerce (Honours) - Information Systems

Relevant Coursework: System Development Project II, IS Research Project, Application and Technical Development, Information Systems Management.

Thesis: Factors Influencing Cyber Security Culture in Small and Medium Size Enterprises: A South African Context.

#### University of Western Cape

Jan 2019 – Nov 2022

Bachelor of Commerce – Information Systems & Management

Relevant Undergraduate Coursework: Databases and Data Modelling, Architecture and Infrastructure, Emerging Trends in Information Systems, Information Systems Strategy, Project Management, Business Information Systems.

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### EXPERIENCE

#### IT Volunteer | Great Commission United

Feb 2023 – Nov 2023

As part of UCT's Honours Outreach and Community Involvement Programme (HOCIP), I volunteered at Great Commission United. I developed strategies to improve the organisation's Excel assessment template and empowered members through hands-on technical skills training.

#### Owner and Founder | Naturalistic

2020 – 2023

Founded and launched Naturalistic, a hair fiber business specialising in colourful hair braids. Managed operations, including product sourcing, inventory, customer service, and marketing campaigns on social media. Also designed the brand's logo.

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## PROJECTS

### BDO Employee Recognition System (Honours)

Jan – Nov 2023

Collaboratively developed an employee recognition system for BDO, enabling peer-to-peer nominations for rewards. Designed an admin interface for reviewing and approving nominations, and integrated a centralised social board to enhance communication and collaboration within BDO

Tech stack: **HTML, CSS, JavaScript, (jQuery), Firebase (NoSQL).**

### Boundless Charging

Jan – Jun 2022

Collaboratively developed a fully functional e-commerce site for Boundless Charging, a start-up that revolutionises mobile charging by using wearable clothing to harness kinetic energy from motion, enabling convenient smartphone charging on the go.

Tech stack: **HTML, CSS, JavaScript, Nodejs, Firebase (NoSQL).**

### Codes to Arrows Translator

Jul – Nov 2022

Developed a Java GUI application in NetBeans to translate integers to Unicode arrow characters and vice versa, implementing efficient conversion functions, error handling, and user-friendly features like file opening and text clearing.

Tech Stack: **JavaFX, JavaFX Scene Builder, MySQL.**

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## ADDITIONAL INFORMATION

**Languages:** JavaScript, HTML, CSS, Java, PHP

**Frameworks:** Node.js jQuery, Chart.js, Next.Js

**Databases:** NoSQL, Relational Databases (MySQL)

**Tools:** VS Code, Trello, Git, GitHub, Azure, Figma, NetBeans

**Soft Skills:** Teamwork, Communication, Research, Problem Solving, Analytical Thinking.

**Technical Skills:** Full-Stack Web Development, Database Management, Version Control, Agile Project Management, Digital Marketing, Microsoft Office, AWS.

**Certifications:** iNkanyezi IT Audit Academy Programme (Absa), AWS Knowledge Badge: Cloud Essentials, Golden Key Certification.

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## REFERENCES

Irwin Brown

Research Supervisor, University of Cape Town

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HOCIP Office

Community Service Outreach Program (GCU)

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