

Thato Emmanuel Baloyi

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GitHub — LinkedIn

EDUCATION

Rhodes University

BSc in Computer Science & Information Systems

Feb 2023 – Nov 2025
Grahamstown, SA

- **GPA:** 72% Overall Average; Accepted for 2026 Honours in CS and IS.
- **Relevant Coursework:** Data Structures & Algorithms, Theory of Computation, Operating Systems, Computer Architecture, Systems Programming, Database Systems.

University of Johannesburg

BEng in Electrical & Electronic Engineering

2021 – 2022
Johannesburg, SA

- Completed foundational engineering coursework.

HONORS & AWARDS

- **Open Box Software Prize:** Top Student in Computer Science (94% academic average).
- **George M. Gruber Prize:** Awarded for excellence in Physics Electronics.
- **Scholarships & Bursaries:** DVC Honours Scholarship (2026), **CEF (Central Energy Fund) Bursary (2024–2025)**, and **Eskom Bursary (2021)**.
- **Competitive Selection:** Successfully selected for the **RU IT Helpdesk** role from a pool of **120+ candidates**.
- **Rankings:** Dean's List (2023); Top 10 Academic Student (Founders Hall, 2023–2025).

TECHNICAL SKILLS

Programming: Java, Python, C, JavaScript (ES6+), PHP, SQL, Assembly (x86).

Frameworks/Web: React.js, Next.js, Node.js, Express.js, Nest.js, HTML5, CSS3.

Databases/Tools: MySQL, PostgreSQL, MongoDB (NoSQL), Git, GitHub, Linux, VS Code.

WORK EXPERIENCE

Computer Science Tutor — Rhodes University

Feb 2024 – Nov 2025

- Mentored students in **Data Structures**, **Systems Programming (C)**, and **Assembly**, providing one-on-one debugging and logic support during weekly lab practicals.
- Simplified complex **Theory of Computation** topics (Turing Machines, FSA, Halting Problem).
- Guided students on modern workflows, including **Git version control** and **NoSQL** database design.

Lecture Venue Technician — Rhodes University

Feb 2024 – Nov 2025

- Provided mission-critical AV and hardware support for faculty (projectors, mics, computers).
- Acted as primary on-call technician, responding rapidly to resolve live technical disruptions.
- Managed end-to-end technical setup and on-site standby for major university conferences.

Technical Support — Frasar Internet Café

2011 – Present

- Optimized cafe networks and served as primary contact for community digital tasks and digitization.

PROJECTS

FurryHaven (SPCA Management System) — [View project](#)

2025

HTML, JS, PHP, CSS, MySQL

- Awarded **2nd Place out of 32 teams** in the IS III Systems Development Project.
- Engineered backend architecture and SQL schema to handle robust animal management data.

Personal Portfolio & Blog — [View project](#)

Next.js, Node.js, MongoDB

- Developed high-performance web app with custom blog module and SSR for SEO optimization.

LEADERSHIP

Student Network Representative — Matthews House

Feb 2024 – Nov 2024

- Provided technical support for Matthews House, resolving network issues and software setups.