

# Humaid Ebrahim

Vryheid, South Africa | 072 620 7598 | [humaidebrahim2@gmail.com](mailto:humaidebrahim2@gmail.com)

[Github](#) [Portfolio](#) [LinkedIn](#)

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## Skills

**Programming Languages:** Python, Java, C#, C++, JavaScript, TypeScript, Racket

**Web Development:** React, Node.js, Express, REST, Playwright

**Other:** Git, SQL, NoSQL, Basic Machine Learning, Figma, Electron, 3D Design

**Soft Skills:** Fast and enthusiastic learner, Tutored peers, Led group projects, Enjoys team work

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## Experience

Nyachengos Films – Short Film

July 2023 - Aug 2024

- Directed visual effects sequences, including 3D animation, 2D compositing, and green screen integration.
- Collaborated closely with writers, photographers, actors, and directors to bring scenes to life.
- Explained visual effects processes clearly to non-technical team members.

Dimension Data – Shadow Work

8th - 15th July 2024

- Gained firsthand understanding of SAFe Agile software development processes through observation of scrum ceremonies and business development meetings.
- Conducted informational interviews with professionals to learn about various software development roles and responsibilities.

Poppr

Aug 2022 - Feb 2023

- Designed and created immersive 3D environments for metaverse-style websites, including a virtual Coca-Cola lab experience.

Freelance 3D modeler

2021-2024

- Designed detailed 3D store visualizations to help conceptualise design, present concepts for approval, and guide shop fitters during construction.

## Education

North-West University

2023 – 2025 (Expected)

*Bachelor of Science in Information Technology*

GPA: 87.83% (1st and 2nd year)

- Coursework includes: Structured Programming, Databases, Data Structures & Algorithms, Artificial Intelligence, Operating Systems, Systems Analysis and Design, and Computer Networks.

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## Projects

Arcademia Game Jam

*Arcade Game - GameMaker, Blender, Photoshop*

- Created a winning submission for the 2025 Arcademia Game Jam in 48 hours.
- Collaborated with peers to build a computer networking themed twin-stick shooter.

Messaging App

*Web/Desktop Application - React, Tailwind, Firebase, Electron*

- Real-time chat app supporting personal and group chats.
- Enabled adding friends, personal statuses, and emoji support.
- Integrated Electron for a desktop experience, with custom draggable UI, frameless window controls, and responsive design using DaisyUI and Tailwind.

Driver's License Centre Booking System

*Web Application - ASP.NET Web Forms, C#, SQL Server*

- Designed and developed a booking system for scheduling appointments at a licensing centre.
- Implemented full CRUD functionality with a SQL Server database.
- Focused on form validation, data entry, and admin-side management and reports.

Discord Bot

*Bot Development - Discord.py, REST APIs*

- Created a versatile custom Discord bot with features including Google image search, SpaceX launch schedules, Spotify user statistics, and Notion integration for sharing notes.

Hack Assembler

*Low-Level Systems Project - Python*

- Developed a two-pass assembler to translate Hack Assembly language into binary machine code.

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## References

Dr. Linda Redelinghuys, North West University, Potchefstroom, [linda.redelinghuys@nwu.ac.za](mailto:linda.redelinghuys@nwu.ac.za)