

Haingo Andry

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Experience

DataProphet

Data Scientist Intern

- Data preprocessing tasks
- Exploratory data analysis

Cape Town, South Africa

Jun 2024 — Jul 2024

Education

Stellenbosch University

PhD Applied Mathematics

- Building AI framework for epidemiology, pathogen phylodynamics and human geography.

Cape Town, South Africa

2024 — present

Stellenbosch University

M.Sc. Mathematical Sciences

- Utilized language models to enhance digital surveillance systems for infectious diseases.
- Fine-tuned pre-trained language models on region-specific data, developed algorithms for real-time information extraction, and integrated into early-warning systems.

Cape Town, South Africa

2023 — 2024

GRAO and IOGA,

Apprenticeship

- Developed software to analyze data from radio telescopes.

Ghana/Madagascar

2021 — 2022

University of Antananarivo,

Graduate Researcher

- Developed script in Python to preprocess and analyze big data from simulations.
- Demonstrated how the structure of the universe works using small datasets (catalogs).

Antananarivo, Madagascar

2020 — 2022

Awards and Scholarships

Academic Excellence Award AIMS South Africa

2024

Google DeepMind Scholarship

2023

DARA Basic Training

2022

Training & Workshop

Global 21cm Experiment Workshop

STIA, South Africa, 2023

CHPC Training

CHPC South Africa (online), 2021

Technical skills and languages

Technical: Python, Deep Learning (PyTorch/JAX), CUDA C++, git, Linux, Google Cloud Computing

Language: English, French