

Contact

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 Cape Town, South Africa

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Education

Tertiary Studies

University of the Western Cape

Majors: Information Systems,

Finance Management

2022 - Present

Soft Skills

- Planning and Organisation
- Creativity
- Open-mindedness
- Teamwork and Leadership
- Problem Solving

Technical Skills

- Web and App Development
 - Oracle APEX
 - Streamlit
 - Google Sites
 - Flutter
 - Firebase
 - Loveable
- Design and Creativity
 - Figma
 - Canva
 - Video Editing
- Programming and Data
 - SQL and PL/SQL
 - Python
 - Azure Services

Language

- English
- Afrikaans

Interests

- Art and design
- Website Development
- Editing (Videos)

Micaela Klink

Final Year Student

About Me

Final year Information Systems and Finance Management student with a passion for software development and digital innovation. Seeking to combine my technical skills with creative problem-solving to deliver impactful digital solutions.

Work Experience

Access Control - 2023

University of Cape Town

- Processed biometric data (capturing photos and fingerprints) and issued student cards to new students and to employees

Volunteering Experiences

Ushering at The Masque Theatre - 2025

- Managed guest check-ins via QR code scanning

Photography - 2022 - 2024

- Captured images for interhouse events

Rise Against Hunger Africa - 2023

- Collaborated with a team to package meals under a one-hour deadline while ensuring all items met precise weight standards

Screening Assistant - 2021

- Scanned and documented students temperature

Youth Program Assistant at Cape Town Environmental Education Trust (CTEET) - 2019

- Supervised young children and assisted with activities

Rotary Club - 2016

- Prepared, served and interacted with residents at the Haven Night Shelter

References

Ruchen Wyngaard

Information Systems Lecturer

Email: rwyngaard@myuwc.ac.za

Mr. P. Hendricks

Art Teacher

Phone: +27 82 749 1179

Mr. M. Frank

English Teacher

Phone: +27 82 697 4298

University Projects

Immunisation Reminder chatbot - 2025

- Developed a chatbot supporting 4 languages (Afrikaans, English, isiZulu, and isiXhosa) with text-to-speech
- Integrated Gemini AI for natural language processing and responses
- Designed a vaccination journey tracker, option to manage and add more children journeys, clinic locator, and a education and community dashboard

Waste Classification Vision System - 2025

- Developed a vision system using PyTorch and CNN architecture for automated waste sorting

AI-Powered chatbot with Azure Services - 2025

Collaboration with Think Tank Solutions

- Led a group in developing a chatbot that retrieves company based information with document upload functionality

Inventory Management System - 2025

- Developed a dual-interface system:
 - Oracle APEX for admin functions
 - Python/Streamlit for employees to view inventory history, make requests and return inventory via QR code scanning
- Created analytics dashboards for tracking inventory and employees

IoT Environmental Monitoring System - 2025

- Collaborated on a Raspberry Pi project, utilising a DHT11 sensor to collect temperature and humidity data
- Developed a frontend with tkinter for real-time analytics

Irrigation System - 2025

Collaboration with ARC

- Set up hardware infrastructure for data collection and monitoring
- Developed flutter frontend with real-time analytics, alongside other features for tracking irrigation efficiency
- Irrigation system control modes includes automation based on soil moisture levels, scheduling and manual

Catering Business Website - 2022

- Designed a website for a catering business using Google Sites

Awards and Achievements

Certificate of Recognition - 2025

Issued by Absa Inkanyezi Programme

Awarded for successful completion of the 2025 Inkanyezi IT Audit & Cyber Security Academy

Dean's Honours Award - 2022

Issued by the University of the Western Cape

Awarded for achieving an academic average of 75% and above

Certificate of Merit - 2021

Issued by South Peninsual High School

Awarded for excellence in Visual Art and Economics

Leadership Award - 2021

Issued by South Peninsual High School

Recognized for leadership contributions in screening initiatives

Higher Commended Award- 2016

Issued by Square Hill Primary School

Recognized for making the most significant positive impact within the club