

Contact

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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