

# Caitlin Shan Malan

## Application Development Student

### CAREER OBJECTIVE

Aspiring Software Developer with a solid foundation in Java, Python, SQL and a growing interest in data analytics. Passionate about designing efficient systems, managing data, and enhancing UI/UX to improve user experiences. Eager to apply my dynamic programming skills and problem-solving mindset in an entry-level role, contributing to the success of an innovative, user-focused company.

### EDUCATION

#### High School: Goodwood College

(2018 – 2022)

- **Qualification:** National Senior Certificate
- **Date Obtained:** 14 January 2023
- **Leadership Role:** Prefect (2022)
- **Additional Involvement:** Third Place in goIT Robotics Competition (2021)

#### University: Cape Peninsula University of Technology (CPUT)

(2023 – Present)

- **Qualification:** Diploma in Information Technology specifying in Application Development
- **Leadership Role:** Class Representative (2023 – Present)

### REFERENCES:

#### Reference 1: MS. Nicole Sasjah WESSELS

Lecturer

Cape Peninsula University of Technology

[Wesselsn@cput.ac.za](mailto:Wesselsn@cput.ac.za)

074 042 6400

#### Reference 2: MR. Radford Wayne BURGER

Lecturer

Cape Peninsula University of Technology

[burgerr@cput.ac.za](mailto:burgerr@cput.ac.za)

083 722 3501

### CONTACT:

**Cell:** 064 491 4668

**Email:** [230426271@mycput.ac.za](mailto:230426271@mycput.ac.za)

**Linkedin:** <http://www.linkedin.com/in/caitlin-malan-62a99b271>

### SKILLS

#### Programming Languages:

Python



Java



JavaScript



HTML & CSS



SQL



#### Soft Skills:

- Teamwork and collaboration
- Communication
- Time Management
- Flexibility
- Creativity

#### Tools:

- NetBeans IDE
- IntelliJ
- PyCharm
- SQLite
- Visual Studio
- Figma
- Canva
- Git and GitHub

#### Language:

- English

# Caitlin Shan Malan

## Application Development Student

### ACADEMIC PROJECT EXPERIENCE

#### Project Title: Wellness and Health Desktop Application – Wellness Wave

(February 2024 to October 2024)

- **My Roles:** Mediator, UX / UI Designer and Database Designer/Administrator (DBA)
- **Project Description:** Developed a health and wellness survey application design and development with Java to collect and analyse user responses. The system was built to be cost-effective and accessible for individuals, promoting better insights into personal well-being. The project integrated a Derby database for efficient user data storage and management and the CRUD method for data manipulation.
- **Technologies Used:** NetBeans IDE, Derby Database, Git & GitHub, Figma & Canva

#### Project Title: Voting System

(September 2024 to October 2024)

- **My Roles:** Server Developer and UI Designer & Developer
- **Project Description:** A client-server voting system for a simplified election platform using Java and a Derby database. The server handled vote management by securely processing and storing votes, the client application allowed users to cast votes and view real-time results through a Swing-based graphical interface. Implemented Java socket programming for seamless communication between the client and server, ensuring data integrity and responsiveness.
- **Technologies Used:** NetBeans IDE and Derby Database

#### Project Title: CPUT Website Redesign

(August 2024 to September 2024)

- **My Roles:** UX/UI Designer
- **Project Description:** Redesigned the CPUT website using Figma as part of a project. The redesign focused on enhancing user experience (UX) and modernising the interface while maintaining accessibility. The final project resulted in a high-fidelity wireframe with interactive prototype functionality, demonstrating improved usability.
- **Technologies Used:** Figma

#### Project Title: Website for Gaming Products and Electronics – TechTitans

(September 2023 to November 2023)

- **My Roles:** Web Developer & Web Designer (UX/UI)
- **Project Description:** TechTitans is a gaming-focused website offering gaming news, reviews, product listings, and order shipping, designed for user-friendliness and seamless device experience.
- **Technologies Used:** Visual Studio & Canva

07 April 2025

**Dear Organisation**

**Hosting of ICT Work Integrated Learning (WIL) students**

Dear Sir or Madam:

As a University of Technology (UoT), The Cape Peninsula University of Technology (CPUT) must implement WIL programmes in all academic departments. The academic Department of Information Technology (IT) provides a WIL programme in the qualifications: Diploma in Information and Communication Technology, during the third and final year of study.

Students are registered for a subject called Project Presentation 3 and are required to pass the subject to graduate. The subject is as follows:

Semester 1:

Work Readiness Training to prepare the students for the industry placement.

Semester 2:

Students are placed in the ICT industry from 01 July to 31 December.

They attend lectures every Monday and work full-time from Tuesday to Friday.

Students need to be released for tests and exams in September and November respectively.

Please be advised that student, CS MALAN, student number: 230426271 is registered for their Diploma in ICT specialising in Applications Development. It would be highly appreciated if your organisation could host our student/s to assist them in fulfilling the requirements of their qualification. If you have any queries, please contact me.

Kind regards



Prima Inderlal  
WIL Coordinator  
Department of Information Technology  
Faculty of Informatics and Design  
E: [inderlalp@cput.ac.za](mailto:inderlalp@cput.ac.za)  
T: 0214603994





SOUTH AFRICAN POLICE SERVICE  
COMMUNITY SERVICE CENTRE  
2025 -02- 27  
GRASSY PARK  
GEMEENSKAPSOIENSSENTRUM  
SUID-AFRIKA POLISIEDIENS

 **REPUBLIC OF SOUTH AFRICA**  
**NATIONAL IDENTITY CARD**


Sumama: MALAN  
Names: CAITLIN SHAN  
Sex: F  
Nationality: RSA  
Identity Number: 0501280158087  
Date of Birth: 28 JAN 2005  
Country of Birth: RSA  
Status: CITIZEN

  
Signature: 



WYSEKKEER DAT HIERDIE DOKUMENT 'N WARE AFKOPIE (COPY) VAN 'N OORSPRONKLIKE DOKUMENT WAT AAN MY VIR WAARNEMING TOEGESTUUR IS. WYSEKKEER VERDER DAT, VOLGENS MY WAARNEMINGS TOEWYSING OF VERANDERING OP DIE OORSPRONKLIKE DOKUMENT, AANWYSEKKEER IS NIE.

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Conditions:  
This card has been issued by the  
Department of Home Affairs in terms of the  
Identification Act, Act 68 of 1997  
If found, please return to the Department of Home Affairs  
For enquiry or verification purposes contact 0800 95 11 90

Date of Issue:  
12 NOV 2021

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REPUBLIC OF SOUTH AFRICA

# National Senior Certificate

Awarded to

CAITLIN SHAN MALAN

<b>SOUTH AFRICAN POLICE SERVICE</b>
<b>COMMUNITY SERVICE CENTRE</b>
<b>2025 -02- 27</b>
<b>GRASSY PARK</b>
<b>GEMEENSKAPSDIENSSENTRUM</b>
<b>SUID-AFRIKA POLISIEDIENS</b>

Identity number 0501280158087

Exam number 1220022110079

## Subject

English Home Language  
Afrikaans First Additional Language  
Mathematics  
Life Orientation  
Accounting  
Business Studies  
Computer Applications Technology

%

71

67

43

77

53

79

70

\*\*\*

## Achievement

level

6

5

3

6

4

6

6

\*

Handwritten signature: *[Signature]*  
HANTEKENING/SIGNATURE  
MAGSWOMMER 7086924 RANK SC1  
RANK RANK

This candidate is awarded the National Senior Certificate and has met the minimum requirements for admission to bachelor's degree, diploma or higher certificate study as gazetted for admission to higher education, subject to the admission requirements of the higher education institution concerned.

With effect from December 2022

M. S. LAKHMETSI

Chief Executive Officer

230 1400 8475 R



This certificate is issued without alterations or erasure of any kind



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Council for Quality Assurance in  
General and Further Education and Training  
South Africa

3620612





# Cape Peninsula University of Technology

## Academic Transcript

Bellville Campus,  
P.O. Box 1906, Bellville 7535  
Cape Town, Granger Bay and Mowbray Campuses,  
P.O. Box 652, Cape Town 8000  
Web site: www.cput.ac.za

Issuing Institution : CAPE PENINSULA UNIVERSITY OF TECHNOLOGY  
Name : MALAN CAITLIN SHAN  
Student Number : 230426271  
Identity Number : 0501280158087 Date Of Birth : 28-JAN-2005

Year : 2023 DIP: ICT IN APPLICATIONS DEVELOPMENT  
National Qualification ID : 94939 Credit : 360  
National Level : NQF EXIT LEVEL 6 (06)  
Qualifier : INFO & COM TECHN IN APPLICATIONS DEVELOPMENT

YEAR (JAN-NOV)		National Level	National Credit
APPLICATIONS DEVELOPMENT FOUNDATIONS 1	75 PASS WITH DISTINCTION	05	20.00
BUSINESS PRACTICE 1	81 PASS WITH DISTINCTION	05	10.00
COMMUNICATIONS NETWORKS FOUNDATIONS 1	84 PASS WITH DISTINCTION	05	20.00
ICT FUNDAMENTALS 1	82 PASS WITH DISTINCTION	05	15.00
MULTIMEDIA FOUNDATIONS 1	85 PASS WITH DISTINCTION	05	20.00
PROFESSIONAL COMMUNICATIONS 1	86 PASS WITH DISTINCTION	05	10.00
PROGRAMMING 1	87 PASS WITH DISTINCTION	05	15.00
PROJECT 1	77 PASS WITH DISTINCTION	05	10.00

Year : 2024 DIP: ICT IN APPLICATIONS DEVELOPMENT  
National Qualification ID : 94939 Credit : 360  
National Level : NQF EXIT LEVEL 6 (06)  
Qualifier : INFO & COM TECHN IN APPLICATIONS DEVELOPMENT

YEAR (JAN-NOV)		National Level	National Credit
APPLICATIONS DEVELOPMENT FUNDAMENTALS 2	56 PASS	06	10.00
APPLICATIONS DEVELOPMENT PRACTICE 2	69 PASS	06	20.00
APPLICATIONS DEVELOPMENT THEORY 2	68 PASS	06	10.00
COMMUNICATIONS NETWORKS FUNDAMENTALS 2	89 PASS WITH DISTINCTION	06	10.00
ICT ELECTIVES 2	75 PASS WITH DISTINCTION	06	10.00
INFORMATION MANAGEMENT 2	67 PASS	06	15.00
INFORMATION SYSTEMS 2	73 PASS	06	10.00
MULTIMEDIA APPLICATIONS FUNDAMENTALS 2	76 PASS WITH DISTINCTION	06	10.00
PROFESSIONAL COMMUNICATIONS 2	75 PASS WITH DISTINCTION	06	10.00
PROJECT 2	88 PASS WITH DISTINCTION	06	15.00

Year : 2025 DIP: ICT IN APPLICATIONS DEVELOPMENT


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### ASSESSMENT & GRADUATION CENTRE

CAPE TOWN CAMPUS

04 March 2025

 Cape Peninsula  
University of Technology

ADMINISTRATOR





# Cape Peninsula University of Technology

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National Level : NQF EXIT LEVEL 6 (06)  
Qualifier : INFO & COM TECHN IN APPLICATIONS DEVELOPMENT

### YEAR (JAN-NOV)

APPLICATIONS DEVELOPMENT PRACTICE 3	NO RESULT
APPLICATIONS DEVELOPMENT THEORY 3	NO RESULT
ICT ELECTIVES 3	NO RESULT
INFORMATION SYSTEMS 3	NO RESULT
PROFESSIONAL PRACTICE 3	NO RESULT
PROJECT MANAGEMENT 3	NO RESULT
PROJECT PRESENTATION 3	NO RESULT
PROJECT 3	NO RESULT

National Level	National Credit
07	
07	
06	
06	
06	
07	
07	
06	

04-MAR-2025

\*National Level Key  
15 - NQF EXIT LEVEL 5  
16 - NQF EXIT LEVEL 6  
17 - NQF EXIT LEVEL 7

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Bellville Campus,  
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Cape Town, Granger Bay and Mowbray Campuses,  
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Web site: [www.cput.ac.za](http://www.cput.ac.za)

### ASSESSMENT & GRADUATION CENTRE

CAPE TOWN CAMPUS

04 March 2025



ADMINISTRATOR