

## **Madikizela Will**

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### **Profile**

As a highly organized and committed professional, I consistently deliver successful project outcomes. I possess a remarkable ability to remain composed and productive in high-pressure situations, even when working within strict time constraints. I recognize the critical importance of effective time management and excel at prioritizing tasks without compromising on quality or quantity. My unwavering self-discipline ensures the timely completion of all assignments, irrespective of their complexity or competing demands.

With a deep passion for advancing my career in corporate computing, I devote significant effort to continually improving my IT skills in my spare time. As a dedicated and enthusiastic learner, I constantly seek out opportunities to enhance my knowledge and capabilities, striving to remain up-to-date with the latest software and technologies. By investing in my professional growth, I aim to increase my value to the organization and the colleagues I collaborate with.

Overall, I am committed to delivering the highest standards of performance and continuously advancing my skills to deliver greater results for my team and organization.

### **Education**

#### **University of Cape Town**

Bachelor's degree in Computer Science and Business Computing

#### **Bizana Village Senior Secondary School**

National Senior Certificate

### **Honors & Awards**

#### **Dean's Merit List – University of Cape Town**

November 2019

Awarded for Academic Excellence

#### **Certificate of Achievement – Bizana Village Senior Secondary School**

June 2018

Grade 12 – Term 2 – 2018 – Position 3 Overall Achiever with 78.29%

#### **Member of Golden Key International Honour Society - Golden Key International Honour Society**

Jun 2021

#### **UCT Plus Silver 45-Hour Role Modeling Leadership, University of Cape Town,**

November 2020

UCT PLUS is a leadership award program that formally recognizes students' extracurricular work on their transcripts. The program has various pathways and students who are in elected positions, peer mentors, and evidence tutors.

#### **Certificate of Recognition - University of Cape Town**

Apr 2022

This certificate confirms that I have completed the 2022 Orientation Leader Training Program and participated as an Orientation Leader.

**Certificate of Recognition - University of Cape Town**

Sep 2020

For dedicated service to Leo Marquard Hall and the mentees for the year 2020.

**Certificate of Achievement - University of Cape Town**

Sep 2021

For exemplary leadership as Head Mentor of Leo Marquard Hall

**Licenses & Certificates****Programming Foundations: Databases – LinkedIn**

Issued Jun 2021

This course provides the foundation you need to get started in database programming. Explore the terminology: normal forms, ACID and CRUD, referential integrity, transactions, records, and tables. Learn what role keys and unique values play in a relational model. Discover how to design the best system to contain your data, starting with the tables and relationships at the core of your database. Find out how to write queries to extract the data you need, and how to juggle the different demands of storage, access, performance, and security. Instructor Scott Simpson provides practical examples and clear explanations that will help you design databases that can withstand the needs of your applications, your data, and your users.

**Managing Time – LinkedIn**

Issued Jun 2021

In this short course, author Todd Dewett, PhD, shares four time-management tips that help everyone from busy executives to new employees get more out of their workday. Learn how to think differently about time management, embrace the 80% rule, find your "Einstein" window, protect that window, and broadcast your availability to ensure others know when you'll be available.

**Parallel and Concurrent Programming with Java 1**

Issued Nov 2022

This training course introduces the basics of parallel programming in Java, providing the foundational knowledge you need to write more efficient, performant code. Instructors Barron and Olivia Stone explain concepts like threading and mutual exclusion in a fun and informative way, relating them to everyday activities you perform in the kitchen. To cement the ideas, they demo them in action using Java. Each lesson is short and practical, driving home the theory with hands-on techniques.

**Atomic Habits**

Issued Nov 2022

This audiobook summary of Atomic Habits by James Clear provides a practical and proven framework for creating good habits and shedding bad ones. Drawing on scientific research and real-life examples, it shows how tiny changes in behaviour can result in the formation of new habits and help you achieve big things. The course offers helpful guidance on how to frame your journey, like focusing on your trajectory instead of immediate results, and points out that the key to making big changes in your life doesn't involve major upheaval but rather small changes that become good habits over time.

**React.js Essential Training**

Issued Jan 2023

In this course, Eve Porcello introduces the basics of the React library using the most modern syntax and best practices for creating React components. Along the way, learn how to set up

Chrome tools for React; create new components; work with the built-in Hooks in React; use the Create React App to run tests, and more. By the end of the course, you'll be armed with the essentials of React.js and better prepared to build your browser-based projects.

### **Learning Git and GitHub**

Issued 2023

In this fast-paced course, Ray Villalobos shows you the fundamental commands that you need to work with most Git projects. He explains how to use checkpoints called commits, which let you leave messages documenting what happened at each checkpoint, as well as how to create branches that are alternate versions of your project that you can work on without changing the original. Plus, he shows how to work with the popular GitHub website to explore existing projects, clone them to your local hard drive, and use them as templates for your new projects.

### **Typescript Essential Training**

Issued Jan 2023

In this course, Jess Chadwick teaches you how to leverage the full power of the TypeScript language in your JavaScript applications. Revisit some of the JavaScript fundamentals before turning to the data types, classes, generics, modules, and decorators that are unique to TypeScript. Get tips on defining complex types, extending and extracting metadata from existing types, and working with JavaScript modules to make your code more efficient. You can even try out your new TypeScript skills with the practice challenges along the way.

### **Learning Typescript**

Issued Jan 2023

Join web developer Jess Chadwick as he walks you through the foundations, helping you set up TypeScript and use it in simple ways to improve existing JavaScript projects. Learn how to define custom types, convert existing JavaScript classes to TypeScript classes, and encapsulate your logic and data with access modifiers. Plus, find out how to reuse code with generics, type check files, and add type support for APIs. Using these techniques, you can become a more productive, efficient JavaScript developer.

### **Learning End-to-End Testing with Jest**

Issued Feb 2023

Chinyelu Ibute shows you how the JavaScript testing framework, Jest, lets you create comprehensive tests so you can verify the functionality of your entire application. Chinyelu starts with the basics of test-driven development, including the different types. She then shows how to write an end-to-end test for a RESTful web service application built with Node.js and MongoDB using Jest. Finally, she explains how to test the application workflow from beginning to end, with a high code coverage.

### **Member of Golden Key International Honour Society**

Issued June 2021

### **Experience**

#### **Software Engineer Intern**

**MOHARA** • Internship

Jan 2023 - Feb 2023 • 2 mos

Cape Town, Western Cape, South Africa · Hybrid

My internship as a software engineer provided me with a comprehensive foundation in back-end web development, JavaScript, unit testing, team building, and collaboration tools like Bitbucket, Atlassian Suite, GitHub, and Git. These experiences have prepared me to contribute effectively as a software engineer, enabling me to develop innovative solutions

and work collaboratively in a professional setting.

**Skills:** Bitbucket · Atlassian Suite · Node.js · Back-End Web Development · JavaScript · Unit Testing · Team Building · Teamwork · GitHub · MySQL · Git · TypeScript · Jest

### **Student Intern**

#### **Sozo Labs • Internship**

Jan. 2023 - Feb 2023 • 2 mos

Stellenbosch, Western Cape, South Africa · Remote

I had the opportunity to participate in a comprehensive training program that encompassed a variety of skills essential to the gaming industry. The program spanned over three weeks, with the first week being dedicated to an intensive course on Unity Game Engine development using C# programming language. Through this course, I acquired fundamental knowledge and skills to create 3D games in the Unity environment.

Following the completion of the Unity Game Engine course, I was then allowed to showcase my skills by participating in a Game Jam. This experience enabled me to develop and refine my abilities in brainstorming, planning, and coding my own game from conception to presentation to the company.

In addition to the technical training, I also attended company meetings that gave me valuable insights into the inner workings of the organization. I gained exposure to different projects and had the opportunity to learn about the company's structure, management style, and decision-making processes.

Overall, the internship program provided me with a dynamic and immersive learning experience that has greatly enhanced my skills and knowledge within the gaming industry. I am extremely grateful for this opportunity and am confident that the skills and insights I have gained will prove invaluable in my future career endeavors.

### **INF2011S - Systems Design and Development – Tutor**

University of Cape Town

July 2022 – Present (1 mos)

This course is intended to provide students with an in-depth knowledge of the systems development process with particular emphasis on the design and implementation stages of the life cycle. There is a strong practical component to the course, where students will use object-oriented tools to design and construct a working system. This course is designed to build on the skills acquired in INF2009F Systems Analysis.

### **CSC1011H - Computer Science 1 – Tutor**

University of Cape Town

Feb 2022 – Present (4 mos)

Planning lessons that are appropriate for a group of students; assessing the requirements of these students and employing appropriate instructional strategies; developing lesson plans and educational resources; Assessing and evaluating each student's performance and improvement while accompanying them on field excursions and educational visits.

### **INF2007F - Applying Database Principles - Head Tutor**

University of Cape Town

Feb 2022 – May 2022 (3 mos)

Assessing and evaluating each student's performance and improvement while accompanying them on field trips and educational visits; developing lesson plans and educational resources; assessing and evaluating each student's performance and improvement while accompanying them on field trips and educational visits.

**INF2009F - System Analysis – Tutor**

University of Cape Town

Feb 2022 – June 2022 (4 mos)

A systems analysis tutor is responsible for evaluating the performance of students and providing them with lessons to prepare for exams, classes, or other educational resources. Tutors can work a variety of hours throughout the week. Systems analysis tutors should be familiar with the lesson plan required to complete each stage of the course. Tutors also mark papers or help students review material that was covered in class before an upcoming exam.

**Science Faculty Orientation Leader**

University of Cape Town

Feb 2022 (1 mos)

Orientation leaders orientation leader is a vital source of information and a prominent university spokesperson. An orientation leader is responsible for introducing first-year students to the university's campus, activities, and services, and serving as a resource. Orientation leaders encourage, contact frequently with, and publicly acknowledge their first-year students. They are also accessible to address any concerns or issues that may emerge. Help first-year students with the transition from high school to university. The

**Deputy Secretary General**

Residence Mentorship Council – University of Cape Town

March 2021 – November 2021 (9 mos)

**CSC1010H - Computer Science1 - Tutor**

University of Cape Town

March 2021 – November 2021 (8 mos)

Planning lessons that are appropriate for a group of students; assessing the requirements of these students and employing appropriate instructional strategies; developing lesson plans and educational resources; Assessing and evaluating each student's performance and improvement while accompanying them on field excursions and educational visits.

**Head Mentor, Leo Marquard Hall**

University of Cape Town

March 2021 – November 2021 (9 mos)

Establishes the mentee's stated goals and objectives for the mentoring relationship with the mentee. However, the mentee assumes responsibility for their growth, development, and career planning. Commits to cultivating the connection for the allotted time. Commits to meeting with mentees regularly. Actively hears the mentee. Provides candid, honest, and constructive comments Encourages the mentee and helps find professional growth activities. Maintains strict secrecy. Examines the relationship's aims and objectives with the mentee during the midpoint and conclusion of a formal, long-term relationship. Respects obligations made to the mentee. Respects the limitations of the mentee.

**Senior Mentor, Leo Marquard Hall**

University of Cape Town

February 2020 – December 2020 (11 mos)

Supporting students with effective time and stress management methodologies  
Model and share best practices to adopt in learning a new discipline  
Offer emotional support when responding to challenges students face during the programme.

**Student Front Desk Assistant**

University of Cape Town

February 2020 – December 2020 (11 mos)

Deal with queries to provide the correct information in a timely and polite manner

Monitor people coming and going through reception doors and report suspicious activities

Maintain and determine visitors' registers and visitor needs professionally.

### **Internet café Assistant**

BZN Technologies (PTY) Ltd.

November 2019 – January 2020 (3 mos )

Assist consumers in using computers, programs, and the internet. Respond to clients who get error warnings while visiting websites, sending emails, or downloading files. Assist clients with document downloads, printing, scanning, attaching, and emailing. Observe the usage of computers, media equipment, printing equipment, and other machinery to guarantee compliance with café rules and relevant laws and regulations. In addition to selling computer accessories, stationery, and other cyber-related products and services, provide consumers with maintenance and use guidance. Diagnose problems with hardware, terminals, software, and connection. At computer terminals, monitor clients' time and costs and maintain daily records. Clean computer rooms and tables and maintain a clean environment. Anticipate and market the venture's computer and Internet-related goods and services. Assist the cybercafé owner with basic record keeping and bookkeeping Utilize the printing equipment at the cybercafé, such as heat press machines and screen printers. Learn how to operate different media centre devices, including picture and video equipment, software, etc.

### **Skills**

Public speaking skill • Group organizational Skill • Microsoft Office • Administration • Group Work • Fire Safety • Group Leadership • GitHub • Leadership • Database Development • Database Administration • Python • Java • Web Development • MySQL • Bash • C# • Bitbucket • Atlassian Suite • Unity • 3d Game Development • Node.js • Back-End Web Development • JavaScript • Unit Testing • Team Building

### **Additional Information**

### **References**

Mrs Elsje Scott, Senior Scholar at the University of Cape Town, [elsje.scott@uct.ac.za](mailto:elsje.scott@uct.ac.za), 021 650 4258

Mr Gary Stewart, Senior Lecture at the University of Cape Town, [gary.stewart@uct.ac.za](mailto:gary.stewart@uct.ac.za), 021 650 2665