

# CURRICULUM VITAE

## YANN STEPHEN MANDZA

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8 Monrosa close sirocco village Access park Bellville 7530 · 0603010576

[mandza.y.s@gmail.com](mailto:mandza.y.s@gmail.com) · <https://www.linkedin.com/in/yann-mandza-61625a7b/>

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### CAREER OBJECTIVES

To work in a stimulating environment where I can apply and enhance the knowledge and skills learnt.to be active and productive to the benefits of society.

### PERSONAL INFORMATION

- **Date of Birth:** 28th of December 1989
- **Identity Number:** 13GA39681
- **Gender:** Male
- **Nationality:** Gabonese
- **Home Language:** French
- **Other Languages:** English

### EDUCATION AND TRAINING

- Date:** Since April 2016
- Qualification:** Master of Engineering Electrical Engineering
- Institution:** Cape Peninsula University of Technology
- Date:** From January 2015 to December 2015
- Qualification:** Bachelor of Technology in Mechanical Engineering-Mechatronics

**Institution:** Cape Peninsula University of Technology

**Date:** From January 2011 to December 2014

**Qualification:** National Diploma in Mechanical Engineering-Mechatronics Completed

**Institution:** Cape Peninsula University of Technology

**Date:** July 2009

**Qualification:** High School certificate.

**Institution:** Leon Mba National High School.

**Location:** Libreville, Gabonese Republic

## TRAINING

- Tutor training course November 2011
- SASSDA basic stainless-steel course March 2011
- SASSDA advance stainless-steel course October 2012
- Mechanical Engineering Workshop certificate 09 April – 14 May 2013
- Information Literacy certificate June 2015
- Object Oriented Programming in Java December 2016 – January 2017
- Python Data Structures January 2017 – February 2017
- Using Python to Access Web Data February 2017 – March 2017

## WORK EXPERIENCE

**Date:** April 2016 – March 2017

**Internship** – iThemba LABS (Laboratory for Particles Acceleration Science)

**Position** – Student Assistant under the Accelerator and Engineering department.

**Occupation** – Design, commissioning and equipment procurement for Vaults safety system

**Date:** February 2015 – January 2016

**Internship** – iThemba LABS (Laboratory for Particles Acceleration Science)

**Position** – Student Assistant under the Engineering and IT department.

**Occupation** – Design, commissioning and equipment procurement for radiation monitoring system upgrades

**Date:** August 2013 – December 2013

**P2 – Workplace learning** – iThemba LABS

**Position** – intern under Accelerator and Engineering department.

**Occupation** – Design of a radiation level display program using LabVIEW.

**Date:** January 2013 – June 2013

**P1- Work Integrated learning** - Mechanical Engineering department (Mechatronics).

**Position:** Group leader

**Occupation:** Remote Controlled Battery Power Lawn Mower project.

- Mechanical drawing of robotic structure.
- Control system design.
- Radio communication and robot navigation programming.

## **PERSONAL SKILLS AND COMPETANCE**

**Competences:** Fair LAN Networking skills, C/C++ programing mainly for PIC and Arduino microcontroller and embedded Linux, intermediate java and Python programming, Distributed control system design and development using LabVIEW, EPICS, BECKHOFF, Siemens and Festo PLC, Desktop application development using Qt and eclipse, embedded Linux (Raspberry PI and BeagleBone), intermediate database management with MySQL, source control with svn and git.

**Technical Skills:** Electrical circuit design, Electro-pneumatic, Electro-hydraulic, control system design (installation and commissioning), 2D and 3D modelling, drawing production, Electronic circuit design, PCB design, mechanical manufacturing, intermediate IT hardware setup.

### Computer Skills

- **Platform**- Windows and Linux (mostly Debian based flavors)
- **Drawing** – AutoCAD and SolidWorks.
- **Electronics design** – Eagle CAD and Altium designer intermediate knowledge
- **Programing** – PLC, MATLAB, LabVIEW, Microchip-MPLAB, Arduino, Siemens Step 7 C/C++, MySQL server development, svn, git, EPICS, java, JavaScript, NodeJS, python, HTML, CSS, bash scripting with Linux OS.
- **Development platform** – Siemens Step 7, MPLAB X, Arduino IDE, Android studio, Qt Creator, Qt Designer, Eclipse IDE

### INTEREST

- **Sport:** Soccer particularly, although, great interest for hand ball and Tennis
- **Practical:** DIY robotic project, electronics circuit design

### Referees

Mr. Ivan Kohler  
(Head of EIT department at iThemba LABS)  
**Email:** [ivan@tlabs.ac.za](mailto:ivan@tlabs.ac.za)

Mr. Mike Hogan  
(Head of software Dept. iThemba LABS)  
**Email:** [hogan@tlabs.ac.za](mailto:hogan@tlabs.ac.za)

Ms. Colleen Moodley - Lecturer  
(Mechatronics Engineering)  
**Email:** [cmoodley@gmail.com](mailto:cmoodley@gmail.com)

Mr. K.Ayodele – Program Head  
(Mechatronics Engineering)  
**Email:** [ayodeleo15@gmail.com](mailto:ayodeleo15@gmail.com)  
**Phone:** 0219538732



Cape Peninsula  
University of Technology

THE  
**DEGREE  
BACCALAUREUS TECHNOLOGIAE**

**ENGINEERING: MECHANICAL (MECHATRONICS)**

is awarded to

**YANN STEPHEN MANDZA**

student number

**211007242**

with effect from

**01 DECEMBER 2015**

Registrar

Vice-Chancellor



424 916



Cape Peninsula  
University of Technology

THE  
**NATIONAL DIPLOMA**

**ENGINEERING: MECHANICAL(MECHATRONICS)**

is awarded to

**YANN STEPHEN MANDZA**

student number

**211007242**

with effect from

**01 JULY 2014**

A handwritten signature in black ink, likely belonging to the Registrar.

Registrar

A handwritten signature in black ink, likely belonging to the Vice-Chancellor.

Vice-Chancellor



2 172 874



# Engineering Council of South Africa



This is to  
certify  
that

*Yann Stephen Mandza*

is registered as

*Candidate Engineering Technologist*

in terms of the Engineering Profession Act, 2000  
(Act No. 46 of 2000)

Date

*28 April 2017*

Registration  
Number

*201780157*

President

Chief Executive Officer



**UC San Diego**

02/19/2017

**Yann Stephen Mandza**

has successfully completed

**Object Oriented Programming in Java**

an online non-credit course authorized by University of California, San Diego and offered through Coursera



Charlotte Alexander, Mia Minnes, Leo Porter

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/FYMSYEYZEH7W](https://coursera.org/verify/FYMSYEYZEH7W)  
Coursera has confirmed the identity of this individual and  
their participation in the course.

**M UNIVERSITY OF MICHIGAN**

02/13/2017

**Yann Stephen Mandza**

has successfully completed

**Python Data Structures**

an online non-credit course authorized by University of Michigan and offered through Coursera



Charles Severance  
Clinical Associate Professor, School of Information  
University of Michigan

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/RS6oSXxEVRUF](https://coursera.org/verify/RS6oSXxEVRUF)  
Coursera has confirmed the identity of this individual and  
their participation in the course.





03/05/2017

**Yann Stephen Mandza**

has successfully completed

**Using Python to Access Web Data**

an online non-credit course authorized by University of Michigan and offered through Coursera

A handwritten signature in black ink, appearing to read 'Charles'.

Charles Severance  
Clinical Associate Professor, School of Information  
University of Michigan

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/Ca8PKzRPUZaB](https://coursera.org/verify/Ca8PKzRPUZaB)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



Cape Peninsula  
University of Technology

## ***CERTIFICATE OF TRAINING***

This Certificate is awarded to

***MANDZA,YS***

Student Number: 211007242

Has successfully completed the

***Mechanical Engineering Workshop: Training in Welding; Fitting & Turning  
and Basic Hand Skills***

On

09 April 2013 – 14 May 2013

A handwritten signature in black ink, likely belonging to the Head of Department.

**Head of Department: Mechanical Engineering**



**Date of issue: August 2013**

# INTRODUCTION TO STAINLESS STEEL COURSE

*This certificate is to acknowledge that*

***Yann Stephan Mandza***

*Student No : 211007242*

*Certificate No: WC0013/1/2012*

*has successfully completed*

**The Introduction to Stainless Steel Course  
Semester 1 - 2012**

*Presented by :*

*The Southern Africa Stainless Steel Development Association*

*W. Seniv*

Executive Director



**Sassda**  
southern africa stainless steel  
development association

# **The ADVANCED STAINLESS STEEL COURSE**

*This certificate is to acknowledge that*

***Yann Stephan Mandza***

*Student No : 211007242*

*Certificate No: WC00172/2012*

*has successfully completed*

**The Advanced Stainless Steel Course  
Semester 2 - 2012**

*Presented by :*

*The Southern Africa Stainless Steel Development Association*



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Executive Director



STAINLESS STEEL

**Sassda**  
southern africa stainless steel  
development association