CURRICULUM VITAE

YANN STEPHEN MANDZA

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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.

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

Mr. Mike Hogan

(Head of software Dept. iThemba LABS)

Email: hogan@tlabs.ac.za

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

Mr. K.Ayodele – Program Head (Mechatronics Engineering) **Email:** ayodeleo15@gmail.com

Phone: 0219538732



DEGREE BACCALAUREUS TECHNOLOGIAE

ENGINEERING: MECHANICAL (MECHATRONICS)

is awarded to

YANN STEPHEN MANDZA

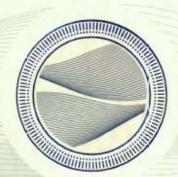
student number

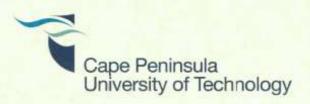
211007242

with effect from

01 DECEMBER 2015

Registrar





NATIONAL DIPLOMA

ENGINEERING: MECHANICAL(MECHATRONICS)

is awarded to

YANN STEPHEN MANDZA

student number

211007242

with effect from

01 JULY 2014

Registrar

PAllerhalls



Engineering Council of South Africa



This is to certify that

Yann Stephen Mandza

is registered as

Candidate Engineering Technologist

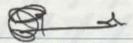
in terms of the Engineering Profession Act, 2000 (Act No. 46 of 2000)

Date

28 April 2017

Registration Number

201780157



President

28 Tada mas

Chief Executive Officer

UC San Diego

02/19/2017

Yann Stephen Mandza

has successfully completed

Object Oriented Programming in Java

an ordine non-credit course authorized by University of California, San Diego and officed through Coursers

China anna Marine

Christine Absorbit, Mia Missies, Leo Parter

COURSE CERTIFICATE



Verify at coursers.org/verify/FYMSYEYZEH7W



00/13/2017

Yann Stephen Mandza

has successfully completed

Python Data Structures

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

on, School of Informatio

COURSE CERTIFICATE



Verify at coursers.org/verify/RS6oSXXEVRUF Coursers has confirmed the identity of this lidividual 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 Coursers

Charles Sesseame Clinical Associate Professor, School of Information COURSE CERTIFICATE



Verify at coursers.org/verify/CaBPKaRPUZaB Courses has confirmed the identity of this individual and their participation in the course.

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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

Head of Department: Mechanical Engineering

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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







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

Executive Director

W. Sonn



