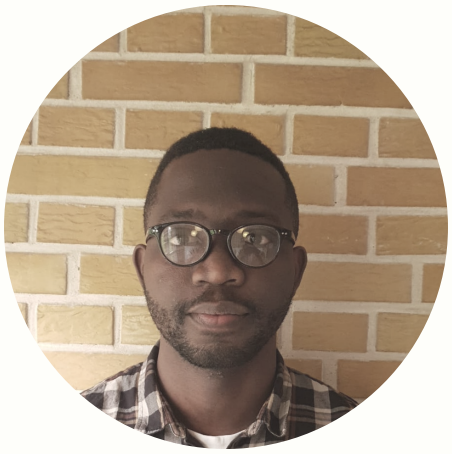

# VICTOR IHUOMA

## CONTACT


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References:

Norbert Hanigovski
Project manager Danfoss
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Dr. Jost Adam
Associate Professor NanoSYD,
Mads Clausen Institute,
University Of Southern Denmark
jostadam@mci.sdu.dk

## PROFILE

**A highly detailed and disciplined Mechatronic Engineer with experience across diverse engineering disciplines and project levels. Proficient in Engineering product designs and solutions, Machine learning and Data Analysis. My core skills include but are not limited to Modelling and Control engineering, Data Analysis and Machine learning applications.**

## EXPERIENCE

### ACADEMIC SUPERVISOR

SDU NANOSYD MCI (SDU.DK) | FEB 2018 - PRESENT

- Performed Control simulations using Matlab Simulink and python
- Performed Data Visualisation and Analysis using Plotly and python

### CONDITION MONITORING INTERN (IN-COMPANY PERIOD)

DANFOSS DRIVES (DANFOSS.COM)| SEP 2018 - PRESENT

- Build set-up with smart sensor for vibration measurement in variable speed drive application.
- Establish Danfoss IoT cloud connectivity.
- Perform evaluation and analysis of data collected from the sensor correlated with drive signals.
- Investigate Supervised and Unsupervised Machine learning algorithms for condition monitoring.

### MECHANICAL ENGINEERING INTERN

SHELL (SHELL.COM)| AUG 2014 - APR 2015

- Research, development and testing of rotating mechanical parts.
- Developed and reviewed technical reports.
- Undertook Process optimization training.

## EDUCATION

**MSc. Mechatronics Engineering**

UNIVERSITY OF SOUTHERN DENMARK | 2017 - 2019

**B.Eng. Mechanical Engineering**

UNIVERSITY OF PORT-HARCOURT | 2016

**GPA: 4.15/5.0**

## SKILLS

- MATLAB & SIMULINK
- COMSOL
- AUTOCAD
- ANSYS
- MICROSOFT POWER BI
- Git
- PYTHON
- NODEJs
- Spark
- MCT10
- C++
- R

## PROJECTS

**OPTIMAL EVAPORATING AND CONDENSING TEMPERATURES OF ORGANIC RANKINE CYCLE IN A HOT AND HUMID ENVIRONMENT**
CATEGORY: THERMODYNAMICS
2016

**MODELLING AND OPTIMIZATION OF DIELECTRIC ELASTOMERS**
CATEGORY: MODELLING
2018

**CORRELATION VS CAUSATION (TRANSIT SERVICES IN POOR WEATHER CONDITIONS)**
CATEGORY: DATA ANALYSIS
2018

**MODIFICATION & CONTROL OF CNC MACHINE**
CATEGORY: CONTROL ENGINEERING
2018

**PERFORMANCE EVALUATION & DATA ANALYSIS USING SMART SENSORS**
CATEGORY: DATA ANALYSIS & VISUALIZATION
2018

**ANOMALY DETECTION IN HVAC SYSTEMS USING FISVDD**
CATEGORY: MACHINE LEARNING & IOT (MASTER THESIS)
2018

## LANGUAGES

**ENGLISH**
LEVEL: MOTHER TONGUE

**DANISH**
LEVEL: INTERMEDIATE

**GERMAN**
LEVEL: BEGINNER