

# NAHASHON OSINDE

Mechatronic engineer

@ osinde1@outlook.com    +33753303821    19 Rue de l'epitaphe, 25000, Besançon, France.    in Nahashon Osinde

## EXPERIENCE

Researcher  
**Institut FEMTO-ST (Automation and Micro-mechatronic Systems (AS2M) department)**  
Oct 2020 - March 2024    France  
Improvement of optical coherence tomography (OCT) with computer vision and robotics

Engineer Intern  
**Institut FEMTO-ST (AS2M department)**  
March 2020-August 2020    France  
Calibration of a multi-mobile coil magnetic manipulation system utilizing a control-oriented magnetic model.

Engineer Intern  
**Frigoken Limited**  
Jan 2017 - April 2017    Kenya  
Troubleshooting and operation of automation machines in the plant. Preventive and conditional maintenance of various machinery (geared motors, temperature/level control systems, steam generators).

Engineer Intern  
**Nairobi Bottlers Limited (Coca-Cola)**  
Jan 2016 - May 2016    Kenya  
Preventive and corrective maintenance of automation line components and their peripheral systems (breakdown activities and Root cause Analysis and closure).  
Training on automation technologies such as Siemens PLCs and Industrial networking technologies such as AsiBus and Industrial ethernet.

## SKILLS

Mechatronics    Control engineering    Robust control

Energy based control    Non-linear control    MATLAB and Simulink

Circuit analysis and design    KiCad    C    C++    Python

PLC programming    PLC    ATMEL micro-controller

STM32 micro-controller    COMSOL    Computer Aided Design

Electrical Machine drives    Motor control    LATEX

## COLLABORATIVE SKILLS

- Motivated    Responsible    Flexible
- Teamwork    Driven    Hard-working
- Leader    Punctual    Industrious

## EDUCATION

PhD in Automation, Control and Robotics  
**Université Bourgogne Franche-Comté**  
2020 - 2024    France

Master in Control for Green Mechatronics (GREEM)  
**Université Bourgogne Franche-Comté**  
2019 - 2020    France

MSc. Advanced Manufacturing and Automation Engineering  
**Dedan Kimathi University of Technology (DeKUT)**  
2018 - 2020    Kenya

BSc. Mechatronic Engineering  
**Dedan Kimathi University of Technology**  
2013 - 2017    Kenya  
First class honors

Siemens Mechatronic Systems Certification Program, (Professional, Associate, Assistant)  
**Siemens Technik Akademie Berlin**  
Nov 2017-Aug 2019    Berlin

## LANGUAGES

English    ●●●●●

Swahili    ●●●●●

French    ●●●●●

## A DAY OF MY LIFE

