

45000 Orléans
5 à 10 ans d'expérience
Réf : 2604301159



Electrical engineer - energy, automation & robotics

Ma recherche

Je recherche tout type de contrat, sur toute la région Centre-Val de Loire, dans le Batiment.

Formations

12/2018 : Bac +5 à University of Michigan
MASTERS IN ELECTRICAL ENGINEERING

12/2017 : Bac +5 à University of Michigan
BSE IN ELECTRICAL ENGINEERING

Expériences professionnelles

02/2022 - 04/2023 :

Automation Engineer chez Etc sur Lusaka

Designed, implemented, and commissioned an automated cutting disk system on a tube production line. Service control cabinets, PLC installation, and programming for cutoff routine. Performed fine parameter tuning and calibration on servo motor drives (Lenze drive). Troubleshoot and serviced metal bending machine and other components in the factory.

03/2021 - 05/2021 :

Solar System Engineer chez Freelance sur Beirut

Design, installation, and commissioning of residential and commercial PV solar systems (On-Grid/Off-Grid/Hybrid). Development and implementation of a custom EMS for managing on-grid inverters, PCS, synchronous gensets, load management, ATS, HMIs for remote monitoring and control.

05/2019 - 03/2021 :

Senior Electrical Engineer chez Alame & Sam sur Abidjan

Responsible for electrical maintenance and troubleshooting across the site: main control room, crushers, production machines, dump trucks, articulated haulers, excavators, and drills. Diagnosed and resolved complex electrical faults to ensure operational continuity and minimize downtime.

01/2018 - 01/2019 :

Robotics Engineer chez Vision & Robotics Lab, American University Of Beirut sur Beirut

Developed Python drivers for omnidirectional wheel modules using the CANopen DS-301 protocol. Created ROS and Gazebo packages for control, autonomous navigation, and simulation. Performed real-time tracking and kinematic analysis using OptiTrack and force platforms. Migrated and updated the lab's website (HTML, CSS).

05/2014 - 07/2014 :

Research Assistant chez Electrical Engineering Department, University Of Michigan sur Dearborn

Detected occlusions on a camera lens: performed spectral analysis on RGB data for feature extraction and training classifier models.

05/2014 - 07/2014 :

Laboratory Technician R&D chez Manitowoc sur Euclid

Test products and components for development, life testing, reliability and regulatory compliance to required industry standards. Set up an accelerated lifetime test on three ignition modules using Allen Bradley PLC.

05/2014 - 07/2014 :

Research Assistant chez Cleveland State University sur Cleveland

Assisted in developing a Computer-Vision Based Sign Language Recognition System. Modified Leap Motion sensors SDK to recognize additional hand gestures (C# & Unity).

05/2013 - 08/2013 :

Technical Support - Renewables Energy chez Dte Energy sur Michigan

Developed a web frame tool to monitor plant equipment; the tool queries sensor data from the OSIsoft PI system database to calculate and graph performance parameters in real-time. Worked with OSIsoft tools to manage and analyze data. Participated in field inspections and routine maintenance.

Langues

English (Oral : maternelle / Ecrit : expérimenté), French (Oral : courant / Ecrit : intermédiaire), Arabic (Oral : maternelle / Ecrit : expérimenté)

Centres d'intérêts

Critical Thinking, Detail Oriented, Time management, Self-motivation, Adaptivity