

PROFESSIONAL EXPERIENCE

- Perenco** *Oil & Gas Company*
DCS automation intern (Jun 2019 – Jul 2019)
• Assisted 2 Automation Engineers in DCS control rooms.
• Updated control logic documents and designed a HMI to control new pumps increasing Natural Gas flow by 15%.
- Valeo** *Global Automotive Manufacturer & Supplier*
Quality Project Management Intern (Jul 2018 - Aug 2018)
• Drew up quality assurance documents for a production line of a new Product.
• Analyzed production KPIs and developed effective solutions improving the occurrence of Haptic defects from 82% to 27%.
- PeakSource** *Information Technology & Services Agency*
Electronics intern (Juin 2017 - Jul 2017)
• Tested and assisted with programmable lighting devices and audio-video equipment.
• Programmed NAO Robot to perform in press conferences.

EDUCATION

- Florida Gulf Coast University**
Entrepreneurship Student (Fall 2019 - Spring 2020)
relevant courses: Business Analytics, Creativity, Lean Startup.
- National Institute of Applied Science and Technology**
Industrial and Automation Computing student (2015 - Current)
relevant courses: Industrial Regulation, Automatic systems, Electrical Engineering, Robotics, Mechanical Design.

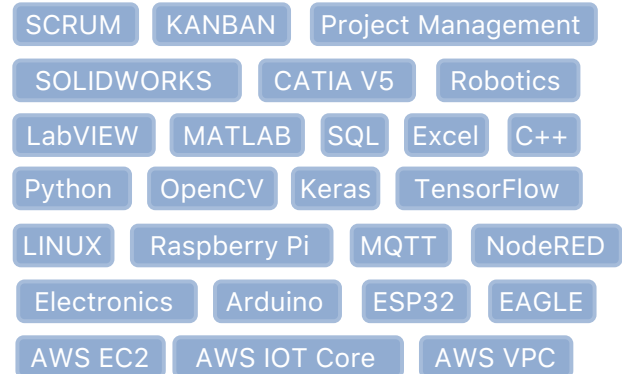
CAMPUS INVOLVMENT

- Amazon Web Services**
Student Ambassador Cohort of 2020
• Lectured Campus students on the integration of AWS services in the Internet of things and robotics.
- Florida Gulf Coast University International Office**
Eagle International Ambassador Fall of 2019
• Volunteered in international office campus programs, organized cultural events and led community service activities.
- AeROBOTiX Club INSAT**
Technical Trainer and Projects Manager (2015 - 2019)
• Coached and mentored students to build their robots and science projects.
• Supervised technical workshops in robotics and electronics.

ACADEMIC PROJECTS

- Facemask Detection** *Algorithm with machine learning model to identify people wearing facemasks.* Sep 2020
• Trained a Neural Network model on a dataset with a prediction accuracy of 96% and Implemented it in an OpenCV algorithm to detect faces and command an Arduino to authorize or block access.
- Ball and Beam** *PID control with LabView to stabilize a ball on a beam.* May 20219
• Coordinated with 2 classmates to implement a PID controller on an Arduino in a mechanical system.
- Cloud Supervised Factory** *IOT Monitoring of sensors and actuators in an educational SIEMENS Factory.* Jan - Mar 20219
• Established a communication between Raspberry Pi and SIMATIC S7 controller via MQTT.
- Smart Aquarium** *Gadget to monitor and control vitals of fish in a home aquarium via ESP32.* Feb - May 20218
• Headed a team of 4 students into finalizing the project and winning second prize in IOT Tunisia Hackathon.
• Brainstormed both business model ideas and technical solutions for the gadget's modules.

SKILLS



CERTIFICATIONS

- AWS Fundamentals.
- Industrial IOT on google Cloud Platform.
- Real time Embedded Systems
- Mastering Programming with MATLAB
- Solidworks Certified Professional (CSWP)
- Yellow Belt Lean Management and Manufacturing
- TOFEL ITP (580/677)

HONOR AWARDS

- Thomas Jefferson Scholarship Program 2019 - 2020 by U.S. Department of State
- BIAT Foundation Elite Scholar 2015 - 2020 by BIAT Bank of Tunisia
- Dean's List Academic Award for Fall 2019 by Florida Gulf Coast University

LANGUAGES

- English** Full professional proficiency
French Professional working
German Elementary