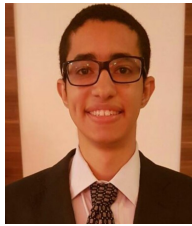# Curriculum vitae

PERSONAL INFORMATION	**Rubens José Teixeira Machado Neto**

📍 Loteamento Recanto de Itapoan, Rua Belgrado, Nr 142, 41635-020 Salvador (Brazil)

📱 (+55) 71 99117 2724

✉ rubens.teixeira@outlook.com.br

in https://www.linkedin.com/in/rubensmachado/

💬 Skype rubens.teixeira_5

Sex Male | Date of birth 23/09/1992 | Nationality Brazilian

STUDIES APPLIED FOR — Specialization in Data Science and Big Data at UFBA

WORK EXPERIENCE

27/01/2020–Present — **Electrical System Analyst**

GI group (Outsourced by FORD Motor Company), Camaçari (Brazil)

-Work on project development of logical circuits, power and signal distribution to build the vehicle electrical wiring schematics.

-Create and implement the vehicle fuse and ground strategy.

-Advanced knowledge in debugging vehicle issues based on ECU's diagnostics, CAN messages and electrical architecture analysis;

01/04/2019–Present — **Hardware-In-The-Loop (HIL) Trainee**

FORD - IEL, Camaçari (Brazil)

Working at EESE Team (Electrical Electronics and Systems Engineering) at Ford South America (Brazil)

▪ Works with Feature Experts to determine interfaces, instrumentation, I/O requirements, automation, solution requirements and place test environment requests;
▪ Create an Automated Test using Test Procedure according to Feature Specification and Carline;
▪ Automate tests, execute and debug manual testing, evaluate and report results;

▪ Comprehension of CAN and LIN Protocols;

▪ ECU and Specification understanding to create and perform new Test Cases.

Softwares: CANalyzer, Matlab/Simulink/Stateflow. ConfigurationDesk, ControlDesk and AutomationDesk.

05/07/2018–04/03/2019 — **Administrative assistant**

CTA Treinamentos, Engenharia e Serviços, Camaçari (Brazil)

Service Industry: GE Renewable Energy (Camaçari-BA/Brazil)

■ Organization of Records of Electrical Installations;

■ Implementation of the Electrical Safety Manual (General Electric -Renewable Energy) according to FW 2.0;

■ Analysis and execution of pending technical reports of NR-10 (Brazilian Electrical Safety Code).

08/2017–06/2018 — **Intern**

BD Engenharia, Salvador (Brazil)

■ Tracking Energy Bills in Captive and Free Market of Energy looking for Saving Cost Opportunities

- Elaboration of electrical design to scenic and functional lighting system using LED Technology;
- Execution of lighting work. Capacitor bank design for power factor correction;
- Accomplishment of AS-BUILT and single-line diagram;
- Inspection of lightning protection system(LPS).

09/2017–01/2018   Intern
BD Engenharia, Salvador (Brazil)

07/2015–05/2016   Voluntary Scientific Initiation
SENAI CIMATEC, Salvador (Brazil)

-
    Development of hardware for a Drone.
    Rubens Jose Teixeira Machado Neto – Student / Bruno Guimarães Costa Alves - Professor.

    Main Subjects: ARM 32 BIT, STM32F4, PWM, I2C protocol, IMU, UART, Bluetooth, C Programming (Bare Metal), EAGLE, JTAG, IAR, Accelerometer, Gyroscope and Magnetometer sensor, Project and developed professional Board, Components Soldering, Debugging, Timer, Watchdog and GPIO.

07/2014–06/2015   Scientific Initiation
SENAI - CIMATEC (FAPESB - SCHOLARSHIP), Salvador (Brazil)

- Title: Financial investments in fuel cell and hydrogen projects in Brazil

    Rubens José Teixeira Machado Neto - Student / Dr. Maiana Brito de Matos - Professor.

- Bibliographic production: MACHADO NETO, R. J. T.; MATOS, M. B.. Financial investments in fuel cell and hydrogen projects in Brazil 2015. V Workshop de Pesquisa, Tecnologia e Inovação (PTI)

EDUCATION AND TRAINING

01/01/2014–31/12/2018   Bachelor of Electrical Engineering   EQF level 6
Centro Universitário SENAI - Cimatec, Salvador (Brazil)

Duration of 5 Years - 5,100 Hours - Final Grade: 8.62

- Project I:

    Area: Technology Development – Hardware and Firmware
    Objective : Creating Capacitor Bank for Power Factor Correction.
    Blog:http://solucoeseng.blogspot.com

    Main Subjects: Arduino, Signal Analysing and Conditioning, Current and Voltage Sensor, Analog Filter (Butterworth), Microcontrollers (8bit - AVR), Proteus, Eagle, Signal Generator, Power Source, Oscilloscope and Relay board.

- Project II:

    Area: Technology Development – Hardware and Firmware
    Objective: Estimate Torque on Stationary Load Three-Phase Induction Machines
    Blog: https://engelsenai.wixsite.com/develec

    Main Subjects: MSP-430, PCI, C programming, Signal Analysing and Conditioning, INFRARED Sensor, Analog Filter (Butterworth), Microcontrollers (16 bit), IHM, Proteus, Eagle, Signal Generator, Power Source, Oscilloscope, Induction Machines.

- Project III:

    Area: Technology Development – Hardware and Firmware
    Objective: Detection and Classification of Faults in the Electric Power System
    Softwares: ATPDraw (Model) and MATLAB (Digital Filter and Algorithm).

■ Final Thesis (THEOPRAX): Coordinatioin and Selectivity Analysis

Softwares: Electrical Power Systems Analysis (ETAP)

Client: GE Renewable Energy (Camaçari-BA/Brazil)

01/09/2011–14/09/2012	**Electrotechnical Technician**

Fundação Bahiana de Engenharia - FBE, Salvador (Brazil)

Duration of 1 Years - 1,600 Hours. Principal subjects : Electrical Services, Electrical Project, Autocad.

2014	**Academic Highlight Student Award - Electrical Engineering, SENAI.**

SENAI - CIMATEC, Salvador (Brazil)

2012	**Electrical Command**

SENAI - CIMATEC, Salvador (Brazil)

80 Hours.

31/08/2018–04/09/2018	**Certicate in Electrical Installation Safety and Electricity Services (NR-10)**

INBRAEP, Salvador (Brazil)

NR-10 Basic Trainning (Brazillian Standard - Electrical Safety) - 40 Hours

PERSONAL SKILLS

Mother tongue(s)   Portuguese

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1

English is in the row label column.

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages - Self-assessment grid

Communication skills

-A good listener with an exceptional ability to comprehend instructions given and pay attention to details;

-High level of tolerance and easy-going personality;

Job-related skills

■ Strong Background in Eletronics and willingness to learn;

■ Adaptabilit and Ability to Work Under Pressure;

■ Self-motivation;

■ Teamwork;

■ Creativity.

Driving licence   B