Curriculum Vitae

Personal Data:

Surname: Torti

First Name: Maximiliano

ID Number: 36.278.664

Worker ID: 23-36278664-9

Place and date of birth: Pergamino, Buenos Aires, Argentina – October 10th, 1992

Marital Status: Single

Address: 9 de Julio 851 – 4º "D", Rosario.

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Driving License: B1, A3.

Languages: Spanish (Native). English (Intermediate speaker, advanced reading and writing).

Education:

Degree in Electronic Engineering. University: Facultad de Ciencias Exactas, Ingeniería y Agrimensura, Universidad Nacional del Rosario. Year finish: 2017.

High School: Instituto Politécnico Superior General San Martín, Rosario. Year finish: 2010

Starting in 2021: Master's degree in embedded Artificial Intelligence. Universidad de Buenos Aires. Estimated Year Finish: 2022/2023.

Employment:

INDUSYS SRL, Rosario. Date: September 2017 - Present. Position: Chief Engineer. Duties: Project management, development of innovative technical solutions for the industry (Hardware and Software). I+D on embedded systems integrating IIOT, Industry 4.0 and Artificial Intelligence. Management of PCB assembly line.

Highlight projects: Digitalization and monitoring with OEE analysis of the manufacturing process of a plastic compounds' factory. Tracking and tracing Indoor IIOT (industrial internet of things) system for a steelworks process. Development of a maintenance assistance system for anomaly detection and analysis with artificial intelligence. Development of a private railway administration system with private LoRaWAN network.

Internship at Ternium Siderar (Techint), San Nicolás. Date: January 2017 – July 2017. Position: Junior maintenance engineer in hot rolling mill. Duties: Data acquisition and analysis for predictive and preventive maintenance.

Internship at Ternium Siderar (Techint), San Nicolás. Date: January 2016 – January 2017. Position: Junior process engineer in hot rolling mill. Duties: Process quality data acquisition and analysis.

Other Activities:

Course: *Introduction to artificial Intelligences*. Universidad Abierta Interamericana (UAI). Duration: 16 hs.

Course: *ARM Cortex M4*. Firtec, Rosario. Duration: 80 hs.

Course: *Digital signal processing on embedded system*. Universidad Nacional de Rosario. Duration: 30 hs.

Course: *Linux on embedded systems*. Universidad Nacional de Rosario. Duration: 80 hs.

Course: *Programming on XC8 and C3 (Microchip)*. Firtec, Rosario. Duration: 64 hs.

Course: *Ethernet on PIC.* Firtec, Rosario. Duration: 32 hs.

Course: *CCNA R&S: Introduction to Networks*. Universidad Nacional de Rosario. Duration: 48 hs.

Course: *CCNA R&S: Routing and Switching Essentials*. Universidad Nacional de Rosario. Duration: 48 hs.

Course: Android Development for Beginners. MCElectronics. Duration: 24 hs.

Course: Android advanced development. MCElectronics. Duration: 24 hs.

Course: ibaAnalyzer/ ibaPDA. INDUSYS SRL. Duration: 16 hs.

Course: iba Training the Trainers 2019. iba AG, Fürth, Germany. Duration: 40 hs.

Participation on Sensors Expo 2018. Global exposition about new sensors technologies for the industry. San Jose, California (Silicon Valley).

Honours and Awards:

Best Grade Point Average on electronic engineering degrees from Universidad Nacional de Rosario, 2016-2017. GPA: 9,80.

Second best Grade Point Average on engineering degrees from Universidad Nacional de Rosario, 2016-2017.

Third best Grade Point Average on degrees from all public and private Universities of Santa Fe state, 2017.

National studentship: *FONSOFT Jóvenes Profesionales TIC 2016*. Developing the idea for innovation: *"Design and construction of an electronic weigh-scale for the agroindustry integrating modern technologies"*.

Third place with INDUSYS SRL team in the national Acindar (ArcelorMittal) innovation contest for SMEs, startups and research groups.

Additional Information:

Analytical and problem-solving skills. Fast capacity of adaptation.

Programming skills on Python, C/C++, R, Java (Android), VHDL, and IEC 61131-3. Knowledge of SQL and GIT.

Experience designing and manufacturing electronic and automation systems. Skills on Matlab, AutoCAD, PCB cads (Eagle / Altium / KiCAD) and Schneider, Siemens, Rockwell and CODESYS software.

Experience in IIOT and Industry 4.0 technologies: LoRa, LoRaWAN, LTE-M, NB-IOT, WiFi, Bluetooth, Modbus, REST, MQTT, OPC.