

## **Claudia Mura**

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### **PROFILE**

I am an Electronic Engineer and I also have a Professional Diploma as Electrical and Electronic Industries. Automation, Analog and Digital Electronic systems, Electronic Instrumentation, IT are the subjects covered during my studies at University and the context where I have worked in past and on my current job. I am a sociable person, dynamic, willing full of enthusiasm to seek an opportunity to work in an organization offering challenging. I have good ability to work in groups and to learn through personal study.

### **CAREER HISTORY**

#### **Martindale Electric Co Ltd, Watford**

*Nov. 2015 - Present*

I work in the Research & Development department as Hardware & Firmware Engineer.

Martindale Electric manufactures electrical test and safety equipment.

*My work:* Design, debug and testing of applicative/instrumental firmware for embedded systems based on microcontroller. Collaborate with the HW team in board design and schematic review.

Embedded development ARM Cortex-M0, Multitasking events using interrupts, analysis, development and test of serial communication protocols UART, SPI etc...

Use of electronic equipment. Hardware debug. Tech documentation.

*Dec. 2013- Oct.2015*

*I have been studying English, learning Arduino prototyping, working part time as maths /physics teacher and in customer service.*

#### **C.I.A.M. S.p.A. Italy**

*Dec. 2012- Nov.2013*

C.I.A.M. S.p.A. operates in the designing, installation and maintenance sectors of vertical and inclined lifts, platform lifts, escalators and moving walks, stair lifts in order to overcome architectural barriers.

My work ranged from the use of electronic equipment to the electrical and electronic design, industrialization of products to test the system.

Key duties: R&D Electrical and Electronic Engineering. Industrialization of products. System Test. Electronic Instrumentation. Development of Lift Simulator with LabVIEW.

#### **Saipem S.p.A. Italy**

*Nov.2011- Apr. 2012*

Saipem operates in the Engineering & Construction and Drilling businesses.

I realized my thesis work in collaboration with the company "Saipem" and "Honeywell" and I participated in several phases of the project to build a simulator of a natural gas liquefaction plant.

Key duties: Integration of Systems Simulation (Operator Training Simulator) with DCS (Distributed Control System) Operator Stations.

**Vitrociset S.p.A. Italy**

*Mar.2009- Dec.2009*

Vitrociset's pursuits hinge on specialised technical services for high-level performance systems which encompass design, hardware & software development, integration and operation. Vitrociset's specific areas of activity span from Defence to Air Traffic Management systems, from Satellite Technology to Telecommunications, from Information Technology to Transport, from Infomobility to Environmental Monitoring.

During this experience, I was able to take care of real-time application development, maintenance and operating software acquisition systems, image management with the use of the LabView software.

Key duties: Development of Real-Time Application and Maintenance of Operating Software. Acquisition and Management Image Systems with LabVIEW.

**EDUCATION AND TRAINING**

- October 2012 Master's Degree in Electronic Engineering at DIEE University of Cagliari, Italy
- February 2009 Bachelor's Degree in Electronic Engineering at University of Cagliari, Italy
- July 2002 Professional Diploma as Technician of the Electrical and Electronic Industries

**COMPETENCIES AND INTEREST****Languages**

- Italian: Mother Tongue
- English: Fluent

**Computing**

Microsoft Windows environments (European Computer Driving License, AICA).

Telecommunication Networks, Internetworking functionality, suite TCP/IP and IP Routing (Certificate of Course Completion CCNA Exploration: Network Fundamentals, CISCO SYSTEM)

Programming language: C / C + +, LabVIEW, Assembler, Matlab, Java.

Hardware description language: Verilog.

**Technical skill**

Arduino. ARM Microcontrollers, CORTEX M0.

Electronic Instrumentations: Multimeter, Tester, Spectrum Analyser, Oscilloscope, Virtual Instrumentation Measurement, National Instruments, etc...

**Additional Information**

I worked as Hostess (market investigation), Promoter (events and promotions) and Waitress in Restaurants.

I used to give private Mathematics lessons to pupils on years 8 to 11.

I enjoy fitness, Cuban salsa, play pool and running. I love travelling.

I am a holder of a European driver's license.