

Stefano Meroli

Electronic Engineer

PERSONAL SUMMARY

A competent electronic engineer with a comprehensive knowledge of project management and with several years of international experience. A consistent track record of successfully completed projects from the concept through implementation, testing and handover.

Having a comprehensive understanding of engineering concepts, I'm currently looking for a suitable position.

AREAS OF EXPERTISE

Project management

Electronic engineering

Software engineering

LANGUAGES

Italian: mother tongue

English: excellent

French: excellent

Spanish: sufficient

PERSONAL SKILLS

Problem solving

Communication skills

Target oriented

Available to travel

PERSONAL DETAILS

Stefano Meroli
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DOB: 12/10/1984

Driving license: Yes

Nationality: Italian

WORK EXPERIENCE

PROJECT MANAGER January 2012 – Present

CERN – European Organization for Nuclear Research

Coordinating activities for the maintenance and upgrade of the cabling and optical fibre infrastructure in the CERN accelerator complex. Substantial project management efforts needed to manage CERN staff as well as large industrial support contractors and suppliers.

Duties:

- ✓ Activity planning and schedule progression monitoring.
- ✓ Forecast of budget engagements and follow up of payments.
- ✓ Dealing with industrial support contractors and suppliers, ensuring alignment with guidelines.
- ✓ Quality control of the installations delivered to the stakeholders.
- ✓ Development of monitoring tools and definition of quality benchmark conditions.
- ✓ Attending meetings, writing reports and giving presentations.

ELECTRONIC ENGINEER August 2007 – December 2012

Istituto Nazionale di Fisica Nucleare – Sezione di Perugia

Responsible for developing, testing and qualifying electronic devices for high energy physic experiments. Working closely with physicists, engineers, engineering technicians and IT staff to ensure that projects are delivered on time and within budget.

Duties:

- ✓ Simulation and modeling of semiconductor radiation sensors (*Sentaurus*).
- ✓ Testing of silicon radiation sensors by using laser, x-ray and charge particles.
- ✓ Development and qualification of optical links for high data-rate communications (10 Gbit/s).
- ✓ Realization of fully automated setup for data acquisition (*Matlab/Simulink* or *Labview*).
- ✓ Design of electronic boards and programming of logic devices (*PLC, micro-controllers*).

KEY SKILLS AND COMPETENCIES

- ✓ Experience in coordination and management of large projects.
- ✓ Strong decision-making skills and ability to effectively prioritize and plan tasks.
- ✓ Experience in the quality control of electronic devices (*silicon sensors and optical devices*).
- ✓ Able to perform accurate data-analysis and report the outcomes.
- ✓ Able to assist or instruct technicians and new collaborators.
- ✓ Able to deal with customers.
- ✓ Excellent communication skills.

ACADEMIC EDUCATION

Ph.D. degree in Applied Physics

University of Perugia – Physics Department 2009 – 2012

Engineering Analysis - Instrumentation & Measurement Systems - Object-Oriented Programming - Computer Systems - Interaction Particle/Matter - Particle Sensors

Master's Degree in Electronic Engineering – Honors First class

University of Perugia – Electronic Engineering Department 2006 – 2009

Electronic Circuits - Digital Control and Robotics - Computer Interfacing - Digital Signal Processing - Embedded Computer Systems - Digital Systems Design - Electromagnetic Waves - Filter Design