

# PEDRO ERMIDA

## Electrical Engineer

Contact: permida2@hotmail.com

Willing to relocate: West Midlands / London

### INTRODUCTION

I am a qualified electrical engineer with a Master's degree in electrical power system currently working in the automotive area for Yazaki Europe Ltd as EDS design engineer. I am an organised person who can be trusted to work independently. Using my initiative I feel myself comfortable to manage multiple tasks that are inevitable when involved in complex technical projects.

Currently looking for a new challenge suitable with my profile and qualifications.

#### ACADEMIC QUALIFICATION

- MSc Electrical Engineering - Power Systems (EUR-ACE certification)\*
  - . ISEP - Engineering High Institute of Porto, Portugal, 2010
- BSc Electrical and Computer Engineering
  - . ISEP - Engineering High Institute of Porto, Portugal, 2008

\* <http://www.enaee.eu/eur-ace-system>

#### AREAS OF EXPERTISE

- Electrical wiring design;
- Electrical power systems;
- Project management;
- Renewable energies;
- Electricity markets.

### WORK EXPERIENCE

#### EDS DESIGN ENGINEER @ YAZAKI EUROPE, Ltd - COVENTRY BRANCH

July 2012 to current

Member of an engineering team working at the client offices in one of its programs. Duties:

- Designing wiring systems and its associated components in compliance to client, legals and industry standards, transforming 3D virtual models and circuit/systems data into a fully engineered wire harness product;
- Problem resolution of vehicle electrical issues;
- Preparing of engineering change documents validating and following up their implementation;
- Troubleshooting, co-ordinating and auditing the entire product's life from its manufacturing point of view;
- Responsible for engineering design and validation aspects of the electrical distribution during vehicle launch phases and volume production.

#### WIRE HARNESS ENGINEER @ YAZAKI EUROPE PORTUGAL

Sep 2010 / Jun 2012

Part of the department working with the UK market. Duties:

- Responsible for converting a variety sources of data including electrical schemes and engineering change notes into a capital harness layout in order to be more readable to manufacture;
- Validating engineering changes from manufacturing point of view;
- Preparing BOMs (Bill of Materials) and its management during the entire project;
- Preparing RFQs (requests for quotation).

#### GRADUATE ELECTRICAL PROJECT ENGINEER @ PMR UNIPESSOAL Lda, PORTUGAL

July 2009 / Feb 2010

PMR is an electrical services provider company based in Trofa, Portugal specified in medium/low voltage facilities. Duties:

- Designing medium and low voltage electrical facilities involving all necessary calculations in terms of cabling and protections;
- Co-ordinating and auditing all on-site works;
- Lighting studies to define the correct light to be installed on each zone (according to the task being performed).

#### TECHNICAL SKILLS

- **Software:** Matlab, Catia V5 harness design, Siemens team Center, AutoCAD electrical, TransCable, Microsoft office.
- **Operative systems:** Windows, OSX and Linux.
- **Programming:** C, VB.net and Matlab.

#### OTHER EDUCATION

- Post Graduation in Renewable Energies;
- Professional course in Catia V5;
- Professional course in Transcable.