

# Europass Curriculum Vitae



## Personal information

First name(s) / Surname(s) **Filipe, Santos**  
Address(es) Leiden - Netherlands  
Telephone(s) +31 (0) 641 363 424  
E-mail filipefs1981@gmail.com  
Nationality Portuguese  
Date and place of birth August 18, 1981, Paris - France  
Gender Male

## Desired employment / Occupational field

Professional area of interest Development / Manufacturing / Technical Support / Project Management.

## Work experience

Dates	August 2012 - Present
Occupation or position held	Electrical Design Engineer
Main activities and responsibilities	<ul style="list-style-type: none"><li>- Design PCB's (Printed Circuit Boards) for the electrical panels of the full flight simulators using tri-dimensional design (NI Ultiboard);</li><li>- Develop electrical installations (diagrams, drawings) for the full flight simulators;</li><li>- Develop and program embedded systems for the electronic panels;</li><li>- Organize the documentation of electronic components.</li></ul>
Name and address of employer	SIM Industries Hub van Doorneweg 8 / 2171 KZ Sassenheim / Netherlands
Website of employer	<a href="http://www.sim-industries.com/">http://www.sim-industries.com/</a>
Type of business or sector	Aerospace Industry - Full Flight Simulators
Dates	November 2011 - August 2012
Occupation or position held	Electrical Engineer - Quality Department - Professional internship
Main activities and responsibilities	<ul style="list-style-type: none"><li>- Project Management: Implementation of data acquisition software (QDA – Quality Data Acquisition) for the continuous improvement of the quality levels;</li><li>- Define processes which use the QDA and create infrastructures needed in the Shop-Floor for the installation;</li><li>- Train process inspectors and machine operators on how to input values and statistical analysis in the QDA;</li><li>- Elaborate system reports (Control Charts) and calculation of KPI (KPI – <i>Key Performance Indicators</i>);</li><li>- Connection of the QDA software to a plasma TV installed in the Quality Management department for the online monitoring of the process.</li></ul>
Name and address of employer	Continental Corporation Rua Adelino Leitão 330 / Apartado 5028 / 4764 – 906 EC Lousado / Portugal
Website of employer	<a href="http://www.conti-online.com/">http://www.conti-online.com/</a>
Type of business or sector	Automotive Industry - Tires Industry

## Education and Training

Date	September 2000 - February 2011
Title of qualification awarded	Master in Electrical and Computers Engineering <ul style="list-style-type: none"><li>- Branch: Energy;</li><li>- Specialization: Renewable Energy.</li></ul>
Principal subjects	Renewable energy / Electrical installations / Automation / Electronics
Thesis / Dissertation	“Use of photovoltaic for housing energy efficiency” <ul style="list-style-type: none"><li>- Topics covered: micro photovoltaic, energy efficiency, legal aspects, sizing and cost of photovoltaic systems.</li><li>- Website: <a href="http://filipefs.weebly.com/">http://filipefs.weebly.com/</a></li><li>- Classification: 17 / 20</li><li>- Tools used: PVSYST, SPSS, RETScreen.</li></ul>
Projects	<ul style="list-style-type: none"><li>- Using neural networks (Matlab) to forecast the production/consumption of electric charge;</li><li>- Design, sizing and integration of a wind power project in medium voltage networks (15kV);</li><li>- Design and preparation of a licensing project of electrical infrastructure of an urbanization (MV network, transformer stations, LV network and public lighting);</li><li>- Design and implementation of an information system for a restaurant using the SQL language;</li><li>- Programming of a PLC (Schneider) for automatic control of a car park.</li></ul>
Name and type of organisation providing education and training	Faculdade de Engenharia da Universidade do Porto – FEUP

Level per national or international classification - Level 5 (European Level);  
- 12,4 / 20 (Average of Master in Electrical and Computers Engineering).

International academic experience Federal University of Rio de Janeiro, Brazil (July 2006 – July 2007)  
- Course: Electrical engineer;  
- Classification: 15 / 20.

## Personal skills and competences

Mother tongue(s)

Other language(s)

Self-assessment

*European level*

**French**

**English**

**Spanish**

**Portuguese**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient User	C2	Proficient User	C2	Independent User	C2	Independent User	C2	Independent User
C2	Proficient User	C2	Proficient User	C1	Independent User	C1	Independent User	C1	Independent User
C1	Independent User	C1	Independent User	C1	Independent User	B1	Basic User	B1	Basic User

Social skills and competences - Excellent communication and interpersonal skills;  
- Great team player and proactive;  
- Ability to work with different cultures and countries;  
- Highly motivated and creative thinking.

Organisational skills and competences - Ability to management and leadership of projects and teams;  
- Competent, responsible and applied, seeing each project as a challenge;  
- Capacity of working as part of a multi-disciplined team;  
- Ability to prioritise tasks and work to deadlines;  
- Ability to work efficiently without direct supervision;  
- Dynamic, flexible, autonomous and attracted by technical expertise;  
- Critical thinking.

Technical skills and competences - Development of projects in AutoCAD;  
- Development of projects for supervisory and data acquisition systems (SCADA);  
- Knowledge of quality standards and tools applied to the automotive industry;  
- Knowledge of the current state of the renewable energy market;  
- Knowledge of techniques for forecasting electricity consumption and production and market prices;  
- Knowledge of electrical operation of Airbus and Boeing.

Computer skills and competences **Operating Systems**  
- Windows – Excellent knowledge;  
- Linux – Excellent knowledge.

### Software

- Microsoft Office – Excellent knowledge;  
- Mathworks Matlab – Excellent knowledge;  
- AutoCAD – Good knowledge;  
- NI Ultiboard – Good knowledge;  
- NI MultiSim – Good knowledge;  
- SolidWorks – Good knowledge;  
- Power World Simulator – Excellent knowledge;  
- PVSYSY – Excellent knowledge;  
- SPSS – Excellent knowledge;  
- Quality Data Acquisition (QDA) – Excellent knowledge;  
- Simulink – Good knowledge;  
- LabView – Good knowledge;  
- SAP – Good knowledge;  
- AVR Studio – Good knowledge.

### Programming

- C / C++ Language – Good knowledge;  
- Structured Query Language (SQL) – Excellent knowledge.

Artistic skills and competences - Extensive knowledge of the music world;  
- Excellent and extensive culinary skills.

Personal interests / hobbies - Practitioner of basketball (weekly);  
- Practitioner of extreme sports (occasionally): Bodyboarding, Skateboarding and Bungee Jumping;  
- Visiting fairs of science, new technologies, literature, cuisine and music;  
- Travelling and adventure (Hiking / Backpacking);  
- Literature and cinema;  
- Having fun with friends;  
- Attending to musical events.

Driving licence Category B, B1

**Additional Information** - Married;  
- Willing to learn Dutch.