ESTEVE SORIA FABIÁN

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SUMMARY

Electronic engineer specialized in embedded devices and working towards a qualification in self-driving cars technology is seeking opportunities in computer vision, artificial intelligence or embedded devices development. Interested in developing the technologies that are going to improve our quality of life and have an impact in our society.
Results oriented, fast learner and with experience in the corporate world also with experience working in international environments.

WORK EXPERIENCE

JUNIOR CONSULTANT | Feb 2016 - Feb 2017 | Valencia (Spain)

- Development of new releases for the Valencian Health Department. The framework used was based on Spring, Hibernate, ExtJS and Oracle RDBMS.
- Development of new releases in different apps for the University of Valencia using: JSP, Struts and Oracle RDBMS.
- Migration from JSP and Struts to Spring, Hibernate and ExtJS stack.

TRAINEE | Oct 2014 - Feb 2015 | Gdansk (Poland)

- Sales team support from the technical point of view.
- Development of an audiovisual guide for the iModCloud software new customers.
- iModCloud/NxDynamics presentations to potential customers.

EDUCATION

Feb 2017 – Nov 2017 **| SELF-DRIVING CAR NANODEGREE**
This 9 months long program contains the next topics: computer vision, machine learning, sensor fusion, localization, control systems and path planning.

2010-2014 **| BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATION ENGINEERING**
Specialty in embedded system and Real-Time computing. **Universitat Politècnica de València. (Spain)**
Final thesis **(A grade)**: Development of a cross-platform Qt application for the control of liquid's tank. **QML, C++**

2014 SPRING SEMESTER **| ERASMUS SCHOLARSHIP**
Faculty of Electrical Engineering. **České vysoké učení technické v Praze. Prague (Czech Republic)**

PROJECTS

- Autonomous maritime drone (under development). **Raspberry Pi, C++, Python, Qt, QML, 3D modelling & printing**
- Vehicle detection & tracking with OpenCV and deep learning approaches. **Python, OpenCV, Keras, Machine learning**
- Lane detection in the road using computer vision techniques. **Python, OpenCV**
- Traffic sign identification and classification. **Python, Tensorflow, OpenCV**
- Uplite: Sharing energy device between smartphones. **C, USB protocol, Cortex-M4**

SKILLS

Languages: **Spanish:** Native **| English:** Intermediate-high
Programming languages: Python, QML, C++, Java and JavaScript. ***Control version:*** Git, SVN, and CVS.
PCB board design: KiCad. ***3D Design:*** Autodesk Inventor, Cura 2.
Embedded platforms: Raspberry Pi, STM32F4 (Cortex-M4), FRDM-K64 (Cortex-M4) and Arduino.