Joaquín Antón

Software Engineer

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Summary

- Software Engineer with 7+ years of experience designing and implementing complex systems.
- I feel most comfortable with C++ (C++11/14/17, Boost) and Embedded Linux environments.
- I have special interest in building Computer Vision and Machine Learning pipelines.

Key Skills

Programming	C++ (C++11/14/17 STL Boost) C Python Java Bash Matlab
Concepts	OOP Algorithms and Data Structures Computer Vision Machine Learning Design Patterns Multithreading TDD Scrum
Misc.	GNU/Linux CMake Git SVN P4 Conan Docker Bamboo GTest/GMock Protobuf OpenCV GDB Emacs

Professional Experience

11/2016– Present
FARA, *Software Engineer*, Warsaw, Poland.
- C++ software development for public transport ticketing application running on vehicle onboard computers.
- Integration with new hardware and external services, implementation of Calypso contactless card standard.

8/2013– 10/2016
Samsung Electronics R&D, *Software Engineer*, Warsaw, Poland.
- C++ software development running on embedded multithreaded environments for Digital TV platforms.
- Involved in the early design of Tizen TV middleware layer and implementation of the DVB CI+ 1.4 standard.

9/2012– 6/2013
Amadeus (via SII), *Software Engineer*, Nice, France.
- Java software development for e-commerce products related to travel industry and user profile data management.

5/2010– 7/2011
ITI - Instituto Tecnológico de Informática, *Research Intern*, Valencia, Spain.
- Research on Computer Vision and Machine Learning methods applied to medical diagnosis.
- Developed an application for the medical community (`http://dmscan.iti.upv.es/en`) and co-authored several scientific papers about the proposed methods.

Other projects

9/2011– 6/2012
NPO TUT Robotics Club, *Computer Vision*, Tallinn, Estonia.
C++ SW (using OpenCV library) for an autonomous soccer robot for the Robotex competition.

Education

2011–2012
Exchange Student EE/CS, *KTH Royal Institute of Technology*, Stockholm, Sweden.
Average grade: A - Letter Grade: A (best) to F (worst)

2009–2012
M.Sc. in Telecommunication Engineering, *Polytechnic University of Valencia*, Valencia, Spain.
Average grade: 8.6 / 10.0

2005–2009
B.Sc. in Telecommunication Engineering, *University of Alicante*, Alicante, Spain.
Average grade: 8.23 / 10.0

Languages

English Advanced	Spanish Native	Polish Elementary