

Embedded Systems Engineer

Hugo Rodde

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🇫🇷 French - 23 years old
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Looking for a permanent/temporary contract starting on March 2017.

Education

- 2011 - Present Master's degree program in Computer Engineering focused on real-time on-board computer and data processing systems.
- feb. 2015 - july 2015 Study abroad program at the UFPE in Recife, Brasil.
- 2009 - 2011 French secondary diploma, concentrating in sciences (honors).

Languages

English - Fluent (TOEIC 950/990)
Portuguese - Advanced
Spanish - Intermediate

Technical experience

- sep. 2016 - feb. 2017 **Aerial Robotics Intern** / GoPro, Zurich - <http://shop.gopro.com/EMEA/karma>
- april 2016 - june 2016 **PHP Developer** / Prefer Ltd, New-Zealand - <http://prefer.co.nz>
 - > Updated a ZF2 application with today's standards: continuous integration, vagrant box.
 - > Developed a REST API based on Lumen and Dingo frameworks. Test Driven Development.
- sep. 2015 - jan. 2016 **Autonomous vehicle project** / UTC, Compiègne - <https://pacpus.hds.utc.fr>
 - > Autonomous Renault Zoé using a geo-referenced map of the circuit, a LIDAR, a GPS and CAN bus data.
 - > Development made with the Pacpus Framework developed by the UTC's Heudiasyc Lab.
- sep. 2015 - jan. 2016 **Firmware Developer** / Equisense, Compiègne - <http://equisense.com>
 - > Development made with GNU ARM Embedded, Eclipse IDE with OpenOCD and SEGGER J-Link.
 - > Participated in the development of the drivers and application levels.
 - > Used STM32F4-Discovery and nRF52 SoC, both based on a Cortex M4 processor.
- aug. 2014 - jan. 2015 **Python Developer Intern** / Work4, Paris - <http://work4labs.com>
 - > Imported jobs into the database using a home made Scrapy based tool called JobPipe.
 - > Exported candidates into the customers' systems using CasperJS based scripts.
 - > Improved JobPipe's features, stability and tasks monitoring.
- april 2014 - july 2014 **Embedded Software Developer** / Equisense, Compiègne - <http://equisense.com>
 - > Prototyped, designed and implemented an early stage proof-of-concept.
 - > Arduino based platform with a 9 DoF sensor and a SD card.

Project management experience

- feb. 2014 - jun. 2014 **Vice-president** / USEC Junior-Entreprise, Compiègne - <http://www.usec-utc.fr>
 - > Quality auditor and advisor diploma delivered by the National Confederation of Junior-Enterprises.
 - > 65 team members - 130 k€ turnover signed.
 - > Head of internal quality and monitored studies (PDCA, Non-conformities).
 - > Improved the System Quality Management (Manual, Procedures).

Skills

Langages	C, C++, Java, Python, Ruby, PHP, Bash	Frameworks	STL, ROS, Qt, Boost, OpenCV, GTest, GLog
Concepts	OOP, TDD, Design Patterns, State Machines	Boards	STM32F4, Cortex M4, Nordic nRF52, Atmel AVR32
Sciences	Matlab, Scilab, NumPy, SciPy, Gephi	Teamwork	Git, SVN, Bitbucket, Jira, Agile, Scrum

Leisure activities

Sports	Rugby (8 years) - France championship Horse-riding (8 years) - France championship	Stays	New-Zealand - Working-Holiday (6 months / 2016) Brasil - Study abroad program (6 months / 2015)
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