PERSONAL INFORMATION

First names/ Surname

ANDRÉ GONÇALVES ARAÚJO

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Nationality Portuguese

Date of birth 28.03.1987

EDUCATION AND TRAINING

Date 18/07/2012

Title of qualification awarded MSc

Master degree in Electrical Engineering and Computer Science
Robotics and Automation

Principal subjects

Name and type of organisation *Faculty of Sciences and Technology of Universtiy of Coimbra*

WORK EXPERIENCE

Date Occupation or position held Main activities and responsibilities

31/03/2014 →

Chief Technical Officer (CTO) and Chief Financial Officer (CFO)

Hardware integration, microcontroller programming, robot programming in ROS, internet-connected robotic platforms.

Name and address of employer

Type of business or sector

Ingeniarius, Lda – Coimbra
(Portugal) Commercial sector

Date Occupation or position held Main activities and responsibilities

01/03/2003 →

Technical and Commercial Assistant

Technical assistance in appliances and electronics; Commercial assistant in the same area; Home automation systems and terrestrial and satellite systems.

Name and address of employer

Type of business or sector

Átomo – Eletrodomésticos, Braga
(Portugal). Commercial sector

Date Occupation or position held Main activities and responsibilities	01/10/2013 – 31/03/2014 Software and hardware engineer Development of hardware, firmware and software development of industrial automated guided vehicles (AGV), namely for autonomous navigation and localization systems using ROS; Implementation of security systems in AGVs. Project PRODUTECH (www.produtech.org/).
Name and address of employer Type of business or sector	Robotics and Intelligent Systems Unit (ROBIS) INESC - Porto (Portugal) Education – Industrial sector

Date Occupation or position held Main activities and responsibilities	01/10/2012 – 30/10/2012 *Researcher and Auxiliary Project Manager* *Resear*ch fellow of the CHOPIN (**C**ooperation between **H**uman and r**O**botic teams in catastro**P**hic **IN**cidents) R&D project, having the responsibility upon all engineering tasks, namely hardware integration, microcontroller programming and robot programming in ROS. Coordinating and integrating all the components related to the project. Project CHOPIN (http://chopin.isr.uc.pt/)
Name and address of employer Type of business or sector	Institute of Systems and Robotics (ISR) - University of Coimbra (Portugal). Education

Date Occupation or position held Main activities and responsibilities Name and address of employer Type of business or sector	01/02/2012 – 30/07/2012 Undergraduated researcher. Collaboration in European mobile robotics project at the Mobile Robotics Laboratory. Institute of Systems and Robotics (ISR) - University of Coimbra (Portugal). Education

PERSONAL SKILLS

Mother tongue — Portuguese

Othet languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
ENGLISH	C1	C1	B2	B2	B2
FRENCH	A2	A2	A2	A2	A1
SPANISH	B2	B1	B2	B1	A2

Common European Framework of Reference (CEF) level

Specialized subjects
- Robotic
- Mobile Robotics
- Industrial Automation
- Microprocessor Systems
- Smart Sensors
- Mechatronics
- Digital Control
- Electronic instrumentation
- Computer Vision
- Operating Systems

MSc Thesis	"ROSint - Integration of a mobile robot in ROS (Robot Operation System) architecture". M.Sc. Thesis, University of Coimbra, July, 2012. (Classification: 18/20)

Publications

Scientific Conferences

– A. Araújo, D. Portugal, M. Couceiro, C. Figueiredo and R. P. Rocha, "TRAXBOT: Assembling and Programming of a Mobile Robotic Platform", in Proceedings of the 4th International Conference on Agents and Artificial Intelligence (ICAART'2012), Vilamoura, Algarve, Portugal, February 6-8, 2012.

– A. Araújo, D. Portugal, M. Couceiro, C. Figueiredo and R. P. Rocha., "Small and Compact Mobile Robots Surveying and Comparing Platforms", in Proceedings of the 1st International Automatics Conference of the Technical University of Sofia (AUTOMATICS'2012), Sozopol, Bulgaria, June 1-4, 2012.

– A. Araújo, D. Portugal, M. S. Couceiro and R. P. Rocha, "Integrating Arduino-based Educational Mobile Robots in ROS". In Proceedings of 13th International Conference on Mobile Robots and Competitions (Robotica2013), pp. 8-13, Lisbon, Portugal, April 2013.

– N. L. Ferreira, M. S. Couceiro, A. Araújo and R. P. Rocha - "Multi-Sensor Fusion and Classification with Mobile Robots for Situation Awareness in Urban Search and Rescue using ROS". In Proceedings of 11th IEEE International Symposium on Safety, Security, and Rescue Robotics (SSRR 2013), Linköping, Sweden, 21-26 October, 2013.

Scientific Journals

– André Araújo, David Portugal, Micael S. Couceiro and Rui P. Rocha - "Integrating Arduino-based Educational Mobile Robots in ROS", Journal of Intelligent and Robotic Systems, Special Issue on Autonomous Robot Systems, Springer, 2014.

– A. Araújo, D. Portugal, M. S. Couceiro, J. Sales, R. P. Rocha, "Desarrollo de un robot móvil compacto integrado en el middleware ROS". Revista Iberoamericana de Automática e Informática Industrial (RIAI), Elsevier, 2014.

Lecture

Invited speaker to the robotics festival "RoboParty 2013", being the subject of the lecture "Teams of cooperating robots: Exploring ROS (Robot Operating System)", University of Minho (Campus de Azurém), Guimarães, 14 of March, 2013. (http://www.roboparty.org/)

Conferences

- Contributor and organizer at international conference IROS2012 (International Conference on Intelligent Robots and Systems) do IEEE/RSJ, Vilamoura, Algarve, Portugal, 7-12 of October, 2012. (http://www.iros2012.org)

- Contributor and organizer at international conference SAC2013 (Symposium On Applied Computing) do ACM, Coimbra, Portugal, 18-22 of March, 2013. (http://www.acm.org/conferences/sac/sac2013/)