Guillermo Urcera Martín, Barcelona, 27/05/1993.

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PROFESSIONAL PROFILE

M.Sc.Eng. in industrial engineering specialized in control engineering.
Extensive experience in developing projects for different sectors. Lead for projects and teams. Strong work ethic, high level of availability, dedication and eager to learn.

PROFESSIONAL EXPERIENCE

- 2024 – Current. **Project engineer / R&D engineer**, *Ardanuy Ingeniería, S.A.*
- 2022 – 2024. **Innovation engineer**, innovation dept. at *IMC Toys*.
    - Prototyping, study, viability and design of new products and technologies.
    - Electronic design.
    - International collaboration, dealing with new suppliers and business partners.
- 2019 – 2021. **Systems engineer**, large format printing R&D at *Hewlett-Packard*.
    - Lead for R&D quality projects.
    - Performance and development control in R&D.
- 2018 – 2019. **Robotics engineer**, navigation and SLAM at *Sivicom Systems*.
    - Autonomous navigation systems and SLAM for AGVs using ROS.
- 2015 – 2017. (Inter. During university studies) **Advanced technician in research assistance** at the Institute of Industrial and Control Engineering (IOC), *ETSEIB, UPC.*
    - Development, set-up and start-up of software and hardware components for robotic mobile platforms at the Institute of Industrial and Control Engineering (IOC), ETSEIB, UPC.

ACADEMIC QUALIFICATIONS

- 2016-2018 **Master's degree in Industrial Engineering** specializing in **control** engineering *ETSEIB, UPC*
    - **Master thesis:** *"Generating robotic trajectories with deep reinforcement learning"*
- 2011-2015. **Bachelor's degree in Industrial Engineering**. *ETSEIB, UPC.*
    - **Bachelor thesis:** *"Dish Stirling based renewable energy generation system analysis"*.
- 1996-2011. Primary and secondary education, *Oak House School, Barcelona.*

ADDITIONAL EDUCATION

- 2018. Collaborative robots, *industrial engineering professional society of Catalonia.*
- 2018. Convolutional Neural Networks, *Stanford University on Coursera.*
- 2017. Machine Learning, *Stanford University on Coursera.*
- 2015. 日本語能力試験 - Japanese-Language Proficiency Test [JLPT]: N5.
- 2012. Certificate of Proficiency in English, *University of Cambridge. (A).*
- 2009. International General Certificate of Secondary Education, *University of Cambridge. (A*).*

LANGUAGES AND OTHER RELEVANT INFORMATION

English proficient / **Japanese** intermediate / **German** basic / **Catalan** native speaker / **Spanish** native speaker

- Finalist in the XXIV Japanese Speech Competition in Barcelona.
- Member number 19675 of the industrial engineering professional society of Catalonia

Programming	C++	ROS	Python	TensorFlow	MATLAB	Ladder	GRAFCET
Design	ANSYS	Kicad	SolidWorks	LTspice			
Development	GNU/Linux	Git	CMake				
Office	LaTeX	Word	Excel	PowerPoint	Access		