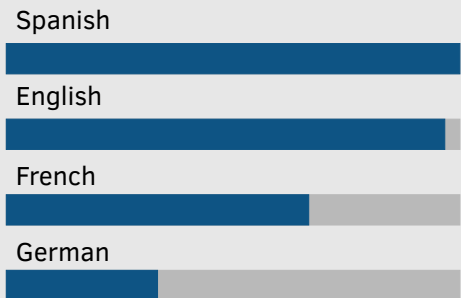# Jose Lamarca

PhD researcher

- 12 November 1992
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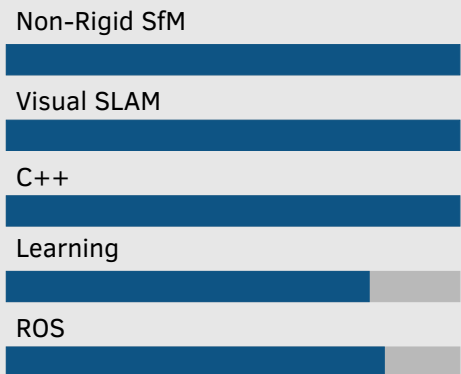
About me

Team-worker, tenacious, and passionate about computer vision, robotics and engineering

Languages

Spanish

English

French

German

Skills

Non-Rigid SfM

Visual SLAM

C++

Learning

ROS

Interests

Computer Vision, SLAM of Deformable Scenes, Non-Rigid Structure-from-Motion, Robot learning and perception.

Education

Since 2017	Ph.D. in Computer Science and Systems Engineering	Universidad de Zaragoza

Simultaneous Localisation and Mapping of deformable Scenes. Awarded with a 4-years grant to research from the National Programme for the Promotion of Talent and Its Employability

2014-2016	M.Sc. in Engineering	Universidad de Zaragoza

Specialised in Industrial Automation and Robotics. Among top students of the speciality. GPA 7.79/10.

2010-2014	B.Sc. in Industrial Technologies Engineering	Universidad de Zaragoza

Major in Industrial Automation and Robotics. Graduated in the first year of Industrial Technologies Engineers. GPA 7.29/10.

2008-2010	Science and Maths Baccalaureate	I.E.S Felix de Azara

Experience

Since 2017	Computer Vision Researcher	Universidad de Zaragoza

My role is to design a SLAM system that can reconstruct non-rigid environments. I work under the supervision of the Prof. Jose Maria Martinez Montiel. (ECCV'18 Submited)

2016	Computer Vision Researcher Internship	KUKA Roboter GmbH

My role was to evaluate the potential of implement a state-of-the-art visual SLAM algorithm in a KMR iiwa for industrial applications.

2014	HMY Supply Chain Department Internship	HMY

My role was the orders scheduling within the factory, dealing with the control of the production. Leader company in retail equipment.

Projects

Since 2017	Universidad de Zaragoza	As PhD candidate

DPI2015-67275-p: Ready-to-transfer Visual SLAM. Funded by Spanish Government. Coordinator:Dr. Javier Civera Researchers: Prof. Jose Maria Montiel,Prof. Juan Tardos

2016	KUKA Roboter GmbH	As Master Thesis

Active-vision SLAM system combining both photometry and discrete features integrated in KMR iiwa. [Patent 102016225310.7]

2016	Universidad de Zaragoza	Academic project

Platform for planning and control of low-cost mobile robots [ICSTCC 2016]

2014	Cervezas del Sobrarbe S.L.	As Bachelor Thesis

Adaptive control for the automation of a craft brewery mashing process

Publications

2016 — Inexpensive robot for experimental validation of planning and control algorithms. Jose Lamarca, Marius Kloetzer, Cristian Mahulea. 20th International Conference on System Theory, Control and Computing (ICSTCC), 2016

2018 — Title omited due to duoble blind . Jose Lamarca, Jose Maria M. Montiel. European Conference on Computer Vision 2018 (Under Review)

Patents

2016 — Reactive Visual-SLAM (german patent pending 102016225310.7)