

# Pedro Montoto García

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I'm a product-oriented engineer with experience in logistics, investment and data analysis projects. Diversity of roles and environments, as I believe, makes you a better leader and that's one of my main objectives.

Tooling of choice I have experience with is Node, Ruby, Rails, Java, Spring, Hibernate, Oracle DB, MySQL, MongoDB, AWS, Bash, Git and sometimes Excel. Contributed to Apache Software Foundation projects.

I'm also interested on the applications of Cognitive Psychology and AI, specially in (serious) games.

## Experience

Ongoing **Various Projects, Self-started.**

Coded various open-source projects: <https://github.com/McOmghall>

Invested and started a new farming operation, including experiments on viability of new crops.

Invested money on Spanish companies, managing to get an average 3% ROI MoM.

Designed branding and internal culture for a Maker association at the Galician level.

Sep 2015 **Volunteer Programmer, nucl.ai.**

Wrote code to use as examples in The Principles of Modern Game AI course:

<http://courses.nucl.ai/>

Sep 2015 **Research Assistant Software Engineer, University of A Coruña.**

Sep 2014 Worked along the research team on multiple projects: websites for energy distribution, machine learning over water cleaning facilities' data, heart prosthetic individualized prototypes and others.

Jun 2014 **Software Engineer, Set Pay, Santiago de Compostela.**

Apr 2014 Built a microservice architecture template as a base for future developments

Mar 2014 **Business Intelligence Engineer Intern, Amazon EU, Luxembourg.**

Jul 2013 Owned various reporting processes, ETL tasks, Excel spreadsheet management and Ruby on Rails on-website reporting.

Jun 2013 **Software Engineer, Indra, Madrid.**

Aug 2012 Development of banking and stock market web services and web portals under J2EE technologies: Spring, Hibernate/JPA.

Sep 2011 **Research Assistant Software Engineer, Universidade de Santiago de Compostela.**

May 2011 Academic environment, developing software for research on new logic systems.

## Education

2011 - 2016 **Master in Logic and the Philosophy of Science, University of Santiago de Compostela.**

Cognitive Psychology, Metamathematics, Rationality, Microeconomics, Argumentation Theory and Artificial Intelligence

2007 - 2011 **Degree in Computer Science, University of Santiago de Compostela, 6.4/10.**

Project Management, Network and Systems administration, Optimization, Artificial Intelligence

## Master Thesis

Title *The concept of intelligence after Computing Machinery and Intelligence: a historical perspective.*

Supervisor Enrique Alonso González, UAM

Description An analysis on the future of the concept of intelligence from the perspective of the cognitive sciences, especially AI

WIP [https://github.com/McOmghall/ml-wip/tree/master/AI\\_comment](https://github.com/McOmghall/ml-wip/tree/master/AI_comment)

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## Bachelor Thesis

Title *Library for the execution of fuzzy quantified syllogisms*

Supervisors Alberto Bugarín Diz, Martín Pereira Fariña

Description Starting as a part of a research program on optimization-based logic systems. Implemented on Java, Linear and Non-linear optimization techniques, parsing tools (ANTLR) and the PMP project management system.

Paper <http://citius.usc.es/investigacion/publicaciones/listado?106>

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## Languages

Galician Native

Spanish Native

Portuguese Fluent

English Fluent *TOEFL, 108/120, License: 11069417*

Japanese Basic

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## Qualities

Personal skills: Good software engineering skills, strong analytical, problem-solving and communication skills, eager to learn and develop new skills, project management and people management experience

Experience with: Design (architectural and graphic), programming and project management techniques and tools

International Experience: Lived between Spain, Luxembourg and Great Britain during the last 3 years. Business travel to neighboring countries.