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Keywords: Research, Artificial Intelligence, Machine Learning, Deep Learning

## Experience

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ongoing Research Computer Scientist at Accenture  
 Jan. 2018 <http://www.accenture.com>

Development of the machine learning strategy for a natural language processing module of a banking product.

Knowledge: Research, Natural Language Processing, Deep Learning

Technologies: Python, Git, Docker, Wercker, TensorFlow, Keras, Elasticsearch

Sep. 2017 Freelance Data Analyst at Ingenio Labs  
 Aug. 2017 <http://www.ingenio-labs.com>

Design and implementation of the initial ETL process to load banking data into a relational database.

Knowledge: ETL, Data Analysis

Technologies: Python, Git, Docker, Wercker

Jul. 2017 Research Software Engineer at Bigtruedata  
 Feb. 2016 <http://www.bigtruedata.com>

Development of recommender systems, machine learning products, and cloud based solutions.

Knowledge: Machine Learning, Recommender Systems, REST, Microservices, Backend, TDD

Technologies: Python, Node.js, Scala, Git, Docker, Wercker, MySQL, MongoDB, Nginx, Google Cloud Platform

Sep. 2015 Software Engineer at Optimisee  
 Feb. 2015 <http://www.optimisee.com>

Maintenance of solutions related to datacenter power consumption optimization.

Technologies: C/C++, Python, Git, Docker, MySQL

Feb. 2013 Software Engineer at Sistemas Avanzados de Control  
Feb. 2012 <http://www.sacnet.es>

Development of embeded software for the management of electrical substations.

Knowledge: TDD, PLC, Embedded Systems

Technologies: C++, Autotools, MySQL

Oct. 2011 Data Analyst at Meteologica  
Jun. 2011 <http://www.meteologica.com>

Maintenance of the prediction infrastructure for solar plants and wind farms.

Knowledge: Data Analysis, Time Series

Technologies: Perl, Excel, MySQL

May. 2011 Debian Developer at Alienvault  
Nov. 2010 <https://www.alienvault.com>

Maintenance of the Debian packages and the archive infrastructure for security products.

Knowledge: Debian Packaging

Technologies: Debian, Bash, Perl, Python, Git

Jul. 2010 Software Developer at Vaelsys  
Sep. 2009 <http://www.vaelsys.com>

Development of features in C++ and Qt under Linux operating systems for video surveillance solutions.

Knowledge: Video Surveillance

Technologies: C++, Qt, Subversion

## Education

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ongoing MSc in Science and Tecnology of Computing  
Sep. 2016 Technical University of Madrid, Spain  
Final project about Deep Learning

Jul. 2011 BSc in Computer Engineering  
 Oct. 2001 Technical University of Madrid, Spain  
 Final project about Memory Management in Virtual Machines

Languages		Certification
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Spanish	Native Proficiency	
English	Limited Working Proficiency	[Level: B2]

Technical Skills		Knowledge
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Development Tools	Emacs	[*** ]
	Atom	[** ]
	Git	[*** ]
	Docker	[*** ]
Programming Languages	Bash	[****]
	C/C++	[****]
	Python	[*** ]
	R	[* ]
	Scala	[* ]
	Node.js	[** ]
Database Systems	MySQL	[** ]
	MongoDB	[*** ]
	PostgreSQL	[* ]
Operating Systems	Debian GNU/Linux	[****]
	Alpine Linux	[** ]
Cloud Computing	Docker	[*** ]
	Amazon Web Services	[* ]
	Google Cloud Platform	[*** ]
Software Development	POSIX	[*** ]
	Agile	[** ]
	TDD	[** ]
	CI/CD	[*** ]
	Microservices	[** ]
Machine Learning	TensorFlow	[** ]
	Keras	[*** ]

Recommender Systems	[*** ]
Deep Learning	[*** ]
Computer Vision	[** ]
Natural Language Processing	[** ]

Independent Coursework Completion  
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ongoing      Deep Learning Specialization  
 Aug. 2017      Coursera, deeplearning.ai

Contents:

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|-------------------------------------------------------------------------------------------|-------------|
| 1. Neural Networks and Deep Learning                                                      | [Aug. 2017] |
| 2. Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization | [Aug. 2017] |
| 3. Structuring Machine Learning Projects                                                  | [Aug. 2017] |
| 4. Convolutional Neuronal Networks                                                        | [.....]     |
| 5. Sequence Models                                                                        | [.....]     |

ongoing      Machine Learning Specialization  
 Oct. 2015      Coursera, University of Washington

Contents:

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|---------------------------------------|-------------|
| 1. Foundations: A Case Study Approach | [Oct. 2015] |
| 2. Regression                         | [.....]     |
| 3. Classification                     | [.....]     |
| 4. Clustering & Retrieval             | [.....]     |

Feb. 2015      MongoDB for Developers  
 MongoDB University

Sep. 2014      Machine Learning  
 Coursera, Stanford University

Interests  
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Statistics      I love Mathematics and the way they can be used to build up a model that explains how things are working. I believe statistics and data are the next big revolution.

Music      On my free time I enjoy playing the clarinet or the bass clarinet with other people. Sometimes I dare playing the piano!