Curriculum Vitae

Alejandro Baldominos Gómez

Personal Information

Full Name	Alejandro Baldominos Gómez
Date of Birth	April 19th, 1990
Email	alexbaldo@gmail.com
About Me	Computer scientist and engineer since 2012. Most of my professional life is dedicated to research, development and teaching of Artificial Intelligence.

Relevant Professional Experience

2010–	**Universidad Carlos III de Madrid** *Researcher and Teaching Assistant* Currently in the Evolutionary Computation and Neural Networks Group of the Computer Science Department, I conduct my research in evolutionary design of deep neural networks, and have taught courses on Genetic and Evolutionary Algorithms, Artificial Neural Networks, Artificial Intelligence and Introduction to Programming.
2014–2017	**Universidad Internacional de la Rioja** *Collaborator Professor* I have taught the course "Engineering for Big Data Processing" in five editions of the Master of Visual Analytics and Big Data, and also the course "Hadoop and Spark Ecosystem" in the Data Science Practitioner programme.
2015–2016	**Colegio Universitario Cardenal Cisneros** *Professor* I have imparted lessons in the Master of Business Intelligence and Big Data, later known as the Master of Big Data for Managers.

Higher Education

2014–	**PhD. in Computer Science and Technology** *Universidad Carlos III de Madrid* Optimization of deep neural networks topologies using evolutionary computation.
2012–13	**Master in Computer Science and Technology** *Universidad Carlos III de Madrid* Specialized in Artificial Intelligence. Grade: 9.44/10
2008–12	**Bachelor in Computer Science and Engineering** *Universidad Carlos III de Madrid* Specialized in Artificial Intelligence. Grade: 9.03/10

International Stays

2016 | **Massachusetts Institute of Technology**
I have been working for 6 months in MIT's Computer Science and Artificial Intelligence Lab (CSAIL), working in BeatDB, a project for scalable machine learning of physiological waveforms.

Relevant Publications

2018 | **Evolutionary Design of Convolutional Neural Networks for Human Activity Recognition in Sensor-Rich Environments**
Sensors, 18(4), pp. 1288. Impact Factor 2016: 2.677

Evolutionary Convolutional Neural Networks: An Application to Handwriting Recognition
Neurocomputing, 283, pp. 38–52. Impact Factor 2016: 3.317

2017 | **A Comparison Study of Classifier Algorithms for Cross-Person Physical Activity Recognition**
Sensors, 17(1), pp. 66. Impact Factor 2016: 2.677

Beyond Social Graphs: Mining Patterns Underlying Social Interactions
Pattern Analysis and Applications, 20(1), p. 269–285. Impact Factor 2016: 1.352

Full list of publications is available in ResearchGate.

Relevant Honors and Awards

2017 | **Alumni Excellence Award**
Social Council of Universidad Carlos III de Madrid

2015 | **National Excellence Award**
Ministry of Education, Culture and Sport

2013 | **End-of-Master Extraordinary Award**
Universidad Carlos III de Madrid

2012 | **End-of-Bachelor Extraordinary Award**
Universidad Carlos III de Madrid

More About Me!

Coding | Proficient in Java and Python (+ NumPy, SciPy, Sklearn, Pandas, TensorFlow, Keras).

T3chFest | I am a T3chFest co-founder and co-organizer since the first edition in 2013. The event is free and in 2017 we brought more than 1,200 people to UC3M.

Politics | I have held the positions of bachelor students' representative (2009–2012), school students' representative (2010–2011), representative in the Computer Science Department Council (2010–), and more.