

Ruben Cubo

Researcher currently finishing a PhD degree in Electrical Engineering at Uppsala University (Sweden) with 4 years expertise using Python, optimization, machine learning, MATLAB and other mathematical modeling tools applied to biomedical engineering. Seeking opportunities in the field of Control, Automation, AI and Machine Learning.

Contact Information

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GitHub <http://github.com/rcubo>

Relevant Work Experience

PHD CANDIDATE – Electrical engineering

Uppsala University (Uppsala) May 2013 – Jun 2018

- Created a line of research in Brain Electrical Stimulation optimization.
- Published 4 Journal Papers and 8 Conference Papers.
- Involved in teaching and development of three Automatic Control courses each year.
- Successfully supervised a Master's Project and a Master's Thesis.

JUNIOR PROGRAMMER – COBOL/CICS/DB2

Mnemo Solutions (Madrid) Nov 2012 – Feb 2013

- Maintained software for a large banking institution.
- Satisfactorily resolved and properly documented bugs in assigned scripts.

RESEARCH ASSISTANT

Complutense University (Madrid) Sep 2011 – Jul 2012

- Developed a control model for a Cubesat satellite.
- Achieved satisfactory attitude control in simulations after half an orbit.

Projects

STOCK MARKET ONE-STEP PREDICTOR [[GitHub](#)] Aug 2017 – Sep 2017

- Compared a linear system approach with a recurrent neural network.
- Neural Network achieved better prediction and linear system achieved better reliability while investing.

SERIES RECOMMENDER [[GitHub](#)] Dec 2016 – Jan 2017

- Built a K-Means clustering to build a Japanese series recommender.
- Options offered to the user were satisfactory and had high popularity.

Education

MACHINE LEARNING ENGINEER NANODEGREE

Udacity Jul 2017 – Sep 2017

MSC IN PHYSICS – Specialized in Systems and Control

Complutense University (Madrid) Sep 2007 – Jul 2012

Key Skills

Programming Languages:

- MATLAB
- Python
- C++

Knowledge Expertise

- Machine Learning
 - Scikit-learn
 - Pandas
- Deep Learning
 - Keras with GPU
- SQL
- Map-Reduce/Hadoop
- Git
- Bioinformatics
- Automatic Control
- Optimization
- Project Management
- Marketing
- Finance/Investing

Languages

- Spanish (Native)
- English (Business)
- Japanese (Intermediate)
- Swedish (Intermediate)

