

# Lucas Rodés-Guirao

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## EXPERIENCE

### NATIONAL INSTITUTE OF INFORMATICS

Researcher

November 2017 - present | Tokyo, Japan

Deep Learning for Digital Typhoon Project under supervision of Prof. Kitamoto

### TRACY Software Developer

April 2017- present | Stockholm, Sweden

Implementation of AI/Machine Learning algorithms for pet healthcare monitoring.

### KTH ROYAL INSTITUTE OF TECHNOLOGY Teaching Assistant

January 2017 - October 2017 | Stockholm, Sweden

Assisting Prof. Atsuto Maki in Machine Learning Course.

### CISCO SYSTEMS Incubator Program FY16

Nov 2015 - Feb 2016 | Barcelona, Spain

EMEAR Engineer Incubator Program FY16

### KARLSRUHE INSTITUTE OF TECHNOLOGY

Research Assistant

March 2015 - July 2015 | Karlsruhe, Germany

Bachelor Thesis at the Communications Engineering Lab under supervision of Univ.-Prof. Dr. rer.nat. Friedrich K. Jondral and Ankit Kaushik.

## EDUCATION

### KTH ROYAL INSTITUTE OF TECHNOLOGY

M.Sc in Electrical Engineering

Sept 2015 - Present | Stockholm, Sweden

Cum GPA: 3.64/4

### POLYTECHNIC UNIVERSITY OF CATALONIA (UPC)

M.Eng in Telecommunications

Sept 2015 - Present | Barcelona, Spain

Cum GPA: 3.3/4

B.Eng in Telecommunications

Sept 2011 - Sept 2015 | Barcelona, Spain

Cum GPA: 3.3/4

### DEUTSCHE SCHULE BARCELONA

Sept 2003 - June 2011 | Barcelona, Spain

## PUBLICATIONS

- [1] L. Rodés, A. Kaushik, S. K. Sharma, S. Chatzinotas, and F. Jondral. Square-law selector and square-law combiner for cognitive radio systems: An experimental study. In *IEEE 84th Vehicular Technology Conference: VTC2016-Fall*, 2016.

*In my freetime I enjoy cooking, running and learning to play ukulele.*

## LINKS

Github @lucasrodes (check for projects)

LinkedIn @lucasrodes

Twitter @lucasrodesg

## COURSEWORK

### COMPUTER SCIENCE

Machine Learning • Artificial Neural Networks • Deep Learning • Artificial Intelligence • Algorithms • Information Retrieval • Unix Tools and Scripting

### ELECTRICAL ENGINEERING

Signals and Systems • Digital Signal Processing • Wireless Systems • Information Theory • Probability and Stochastic Processes

### ONLINE COURSES

Digital Signal Processing (Coursera) • Convolutional Neural Networks for Visual Recognition (Stanford)

## SKILLS

Teamwork • Project Management •

### NATURAL LANGUAGES

Native: Spanish, Catalan

Fluent: English, German

Elementary: Swedish

### PROGRAMMING

Over 5000 lines: Python • Matlab •  $\LaTeX$  • Java

Over 1000 lines: SQL • Swift

Familiar: C/C++ • HTML • Bash • JavaScript

### TOOLS & UTILITIES

Git • ssh • Numpy/SciPy/Pandas/Scikit-learn • TensorFlow/Keras • Jupyter Notebook • Elastic-Search/Kibana • Xcode • Adobe Photoshop • Office • Logic & Final Cut Pro • MacOS • GNU/Linux • Blogging

## EXTRA

Member	Telecos.cat Regional Society
Guide	Smart City Expo World Congress 2015
President	Youth Association EnKbronats (Cabrera de Mar, Sept 2013 - Sept 2016)
Volunteering	SJ Vietnam (Hanoi, August 2014)
DJ/Producer	Freelance, Al-Faru and Be Water
Teacher	Maths/Physics for high school students