

Lucas Rodés-Guirao  
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## EXPERIENCE

### EDREAMS ODIGEO Data Scientist

June 2018 - present | Barcelona, Spain  
 Applying Machine Learning throughout the organisation.

### NATIONAL INSTITUTE OF INFORMATICS Research Intern

November 2017 - May 2018 | Tokyo, Japan  
 Deep Learning for Digital Typhoon Project under supervision of Prof. Kitamoto (Master Thesis)

### TRACY Software Developer

April 2017- March 2018 | Stockholm, Sweden  
 AI/Machine learning based algorithm for pet-health IT device.

### KTH ROYAL INSTITUTE OF TECHNOLOGY Teaching Assistant

January 2017 - October 2017 | Stockholm, Sweden  
 Assisting Prof. Atsuto Maki in Machine Learning Course.

### KARLSRUHE INSTITUTE OF TECHNOLOGY

Research Assistant  
 March 2015 - July 2015 | Karlsruhe, Germany  
 Cognitive Radio under supervision of Univ.-Prof. Dr. rer.nat. Friedrich K. Jondral and Ankit Kaushik (Bachelor Thesis).

## EDUCATION

### KTH ROYAL INSTITUTE OF TECHNOLOGY

M.Sc in Electrical Engineering  
 Sept 2015 - June 2018 | Stockholm, Sweden  
 Cum GPA: 3.64/4

### POLYTECHNIC UNIVERSITY OF CATALONIA (UPC)

M.Eng in Telecommunications  
 Sept 2015 - June 2018 | Barcelona, Spain  
 Cum GPA: 3.53/4

### B.Eng in Telecommunications

Sept 2011 - Sept 2015 | Barcelona, Spain  
 Cum GPA: 3.3/4

### DEUTSCHE SCHULE BARCELONA

Sept 2003 - June 2011 | Barcelona, Spain  
 Abitur: 2.5  
 High School

## PUBLICATIONS

- [1] F. Baldassarre, D. González Morín, and L. Rodés-Guirao, *Deep Koalarization: Image Colorization using CNNs and Inception-ResNet-v2*, ArXiv:1712.03400, (2017).
- [2] 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 • Code documentation

### NATURAL LANGUAGES

Native: Spanish, Catalan  
 Fluent: English, German  
 Elementary: Swedish

### PROGRAMMING

Advanced: Python  
 Confident: Bash, SQL, Matlab,  $\LaTeX$   
 Familiar: Java, C/C++, HTML, Swift, JavaScript, CSS

### TOOLS & UTILITIES

git/mercurial, GitHub/BitBucket, ssh, docker/docker-compose, CI, unittest, GNU/Linux, MacOS, Google Cloud (BigQuery, Storage, AI Platform), numpy/scipy/pandas/sklearn/tensorflow/keras, GPU, Pycharm, Jira, Xcode, Adobe Photoshop, Microsoft Office, Logic Pro, Blogging

## EXTRA

Member	Telecos.cat Regional Society
Guide	Smart City Expo World Congress 2015
Organiser	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