

# Lucas Rodés-Guirao

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## EXPERIENCE

**EDREAMS ODIGEO** Data Scientist  
June 2018 - present | Barcelona, Spain

**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- present | Stockholm, Sweden  
Development and implementation of an AI/Machine learning based algorithm for pet-health IT device.

**KTH ROYAL INTITUTE OF TECHNOLOGY** Teaching Assistant  
January 2017 - October 2017 | Stockholm, Sweden  
Assisting Prof. Atsuto Maki in Machine Learning Course.

**KARLSRUHE INTITUTE 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 (Basachelor Thesis).

## 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: 3.53/4

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 •

### 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 • GNU/Linux • GPU • docker • NumPy/SciPy/Pandas/Scikit • TensorFlow/Keras • Jupyter Notebook • Elasticsearch/Kibana • Xcode • Adobe Photoshop • Microsoft Office • Logic & Final Cut Pro • MacOS • Blogging

## EXTRA

Member **Telecos.cat** Regional Society  
Guide **Smart City Expo World Comgres 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