# Lucas **Rodés-Guirao**

http://lcsrg.me | hi@lcsrg.me

## 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 (Baschelor 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
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.

## 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 Systems 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, programing good practices, assertive when required.

### NATURAL LANGUAGES
Native: Spanish, Catalan
Fluent: English, German
Elementary: Swedish

### PROGRAMMING LANGUAGES
Advanced: Python
Confident: Bash, SQL, Matlab, LaTeX
Familiar: CSS, HTML, R, Java, C, JavaScript

### TOOLS & UTILITIES
Git/Mercurial, ssh, Docker, CI/CD, UnitTest, gnu/linux, MacOS, Google Cloud (BigQuery, Storage, AI Platform), numpy/scipy/pandas/sklearn/tensorflow/keras/xgboost, GPU, Jetbrains, Xcode, Jira, Adobe Photoshop, Microsoft Office, Logic Pro, Blogging.

## EXTRA

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|---|---|
| Member | Telecos.cat Regional Society |
| Guide | Smart City Expo World Congress 2015 |
| Organiser | Youth Association enkbronats (Cabrera de Mar, Sept 2013 - Sept 2019) |
| Volunteering | SJ Vietnam (Hanoi, August 2014) |
| DJ/Producer | Freelance, Al-Faru and Be Water |
| Teacher | Maths/Physics for high school students |

*In my freetime I enjoy cooking and playing the ukulele.*