

Lucas Rodés-Guirao

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EXPERIENCE

NATIONAL INSTITUTE OF INFORMATICS Research Intern

November 2017 - present | 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 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 - 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 • 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
Guide
President

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

Volunteering
DJ/Producer
Teacher