

Lucas Rodés Guirao

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EXPERIENCE

TRACY Software Developer Intern
April 2017 – present | Stockholm, Sweden
Implementation of AI algorithms for pet healthcare

KTH ROYAL INSTITUTE OF TECHNOLOGY Teaching Assistant
January 2017 – April 2017 | Stockholm, Sweden
Assisting Prof. Atsuto Maki in Machine Learning Course.

CISCO SYSTEMS Incubator Program FY16
Nov 2015 – Feb 2016 | Barcelona, Spain and Krakow, Poland
EMEAR Engineer Incubator Program FY16

FIRA BARCELONA Volunteer Guide
November 2015 | Barcelona, Spain
Smart City Expo World Congress (SCEWC) 2015

KARLSRUHE INSTITUTE OF TECHNOLOGY Research Assistant
March 2015 – July 2015 | Karlsruhe, Germany
Bachelor Thesis in the Communications Engineering Lab (CEL) 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: 3.47/4
Track: Control, Systems and Robotics. Double Degree Program UPC-KTH

POLYTECHNIC UNIVERSITY OF CATALONIA (UPC)
M.Eng in Telecommunications
Sept 2015 - Present | Barcelona, Spain
Cum GPA: 3.3/4

POLYTECHNIC UNIVERSITY OF CATALONIA (UPC)
B.Eng in Telecom Engineering
Sept 2011 - Sept 2015 | Barcelona, Spain
Cum GPA: 3.3/4
Exchange semester at Karlsruhe Institute of Technology

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 and running.

LINKS

Github:// [lucasrodes](#)
LinkedIn:// [lucasrodes](#)
Twitter:// [lucasrodesg](#)

COURSEWORK

COMPUTER SCIENCE

Machine Learning • Artificial Neural Networks • Deep Learning • Artificial Intelligence • Algorithms • 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: Bash • R
Familiar: C/C++ • HTML • SQL

TOOLS & UTILITIES

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

EXTRA

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