

# Alberto Montes

## Resumé

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### Education

- 2016–Present **Master in Computer Science**, *Swiss Federal Institute of Technology (ETH), Zürich*, Specialization in Visual Computing.
- 2011–2016 **Bachelor in Science and Technology in Telecommunications**, *Polytechnic University of Catalonia, Barcelona*, GPA – 9.0/10.
- 2011–2016 **Bachelor of Engineering in Industrial Technologies**, *Polytechnic University of Catalonia, Barcelona*, GPA – 8.7/10.

### Research

#### Bachelor Thesis

Title *Temporal Activity Detection in Untrimmed Videos with Recurrent Neural Networks*

Supervisors Professor Xavier Giró-i-Nieto & Doctorate Student Amaia Salvador

Description The thesis explores the use of Convolutional Neural Networks and Recurrent Neural Networks to classify activities in videos and temporally localize these activities. The work was presented at *NIPS 2016 Workshop LSCVS* winning the *Best Poster* award. [Project Link](#)

### Experience

- 2015–2016 **Backend Engineer**, *Verse Technologies, Barcelona*.  
Working in a FinTech Startup as a Backend Engineer developing and maintaining the server side of a mobile app that allows to send and request money to your friends at the same time that you can add and withdraw money from your bank.
- 2015 **Summer Intern**, *OpenDaylight Project*.  
Implement a GUI that simplifies provisioning, programming, and visualization of network overlays using the LISP Flow Mapping service from Cisco in the SDN open source project OpenDaylight.

### Coding Skills

- Advanced Python, Java, C/C++, Matlab,  $\text{\LaTeX}$
- Intermediate R, JavaScript, SQL
- Experience NumPy, Scikit-learn, Matplotlib, Pandas, Keras, TensorFlow, Theano, OpenCV, Django, AngularJS, Docker, nginx, UNIX/Linux, git

### Languages

- Spanish Mother tongue
- Catalan Mother tongue
- English Advanced *Fluent in comprehension, writing and speaking*
- German Basic *Basic words and phrases only*