

# Alberto Montes

## Resume

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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.
- 2011–2016 **Bachelor of Engineering in Industrial Technologies**, *Polytechnic University of Catalonia, Barcelona*, GPA – 8.7.

## 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 This 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 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.

## Computer skills

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

## Languages

- English **Advance** *Fluent in comprehension, writing and speaking*
- German **Basic** *Basic words and phrases only*
- Spanish & Catalan **Mothertongue**