

# JAVIER DE MARTIN

Bilbao  
+34 644 48 50 96  
javierdemartin@me.com

javierdemart.in  
@javierdemartin  
github.com/javierdemartin

Telecommunications Engineer  
iOS Developer

## WHO AM I?

Full time-student and I enjoy working on iOS apps and Machine Learning projects on my spare time.

Python 2 yr

Swift 4 yr

iOS Development 4 yr

Keras 2 yr

Machine Learning 2 yr

## EXPERIENCE

APR 2018 -  
JUL 2018

### iOS Developer

Aholab Research Group @ University of the Basque Country

Developed the iOS version of AhoTTS, a speech synthesizer app for Spanish and Basque speakers. This project has been developed under the guidelines of Aholab Research Group of the University of the Basque Country.

C / C++ / Swift / AV Foundation

## SIDE PROJECTS

SEP 2016 -  
TODAY

### Bicis [javierdemart.in/bicis](http://javierdemart.in/bicis)

iOS app to check the availability of the public bike sharing system in Bilbao. Uses the Neural-Bikes project as a backend to retrieve the predicted availability tailored for each station and day. On top of the predicted values it will be shown today's usage to check how the service is behaving with respect to the predictions.

Swift / iCloud

SEP 2017 -  
TODAY

### Neural-Bikes [github.com/javierdemartin/neural-bikes](https://github.com/javierdemartin/neural-bikes)

Bike sharing services have a problem with balancing their stock due to unequal riding patterns. Developed and trained a neural network to predict and analyze Bilbao's sharing service. Project is fully open sourced and currently being worked on with future plans to add more cities and create an API to make it accessible to the public.

Machine Learning / Keras / Python / Node.JS / InfluxDB / CloudKit JS

2014 - 2019

### Bilbao Dynamics [bilbaodynamics.com](http://bilbaodynamics.com)

Member

Initial member of a university association which purpose is to teach robotics and programming to kids and teenagers. We designed and 3D printed our own robots based in Arduino to teach basic concepts about electronics, 3D printing and programming. Taught several courses to young audiences.

3D Printing / Arduino / Teaching / Robotics

## EDUCATION

OCT 2018 -  
JUN 2020 (exp)

### MSc in Telecommunications Engineering

University of the Basque Country

SEP 2013 -  
SEP 2018

### BsC in Telecommunications Engineering

University of the Basque Country

Specialization in Telematics - Final thesis on designing and coding of neural networks to predict availability on bike sharing systems. This led to open sourcing the project as Neural-Bikes and maintaining it is currently being maintained.

## LANGUAGES

Spanish - native  
English - proficient