JAVIER DE MARTIN

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Telecommunications Engineer & iOS Developer

Last year Telecommunications Engineering MSc student, I enjoy working on iOS apps and Machine Learning projects on my spare time. I also love to read and to run marathons. Free to relocate after graduating.

WHAT I HAVE WORKED OR AM COMFORTABLE USING

`Swift` / `Git` / `CloudKit.JS` / `Python` / `RxSwift` / `Machine Learning` / `Influx DB` / `Time Series Forecasting` / `Telecommunications` / `TCP/IP` / `Network Extensions`

WORK

iOS Developer	Freelance	AUG 2019 ⋯

Always on VPN and DNS based content blocking for iOS devices

iOS Developer	Aholab Research Group @ University of the Basque Country	APR 2018 - JUL 2018

AhoTTS, a speech synthesiser for Spanish and Basque speakers.

PROJECTS

Bicis App	`app.neural.bike`	SEP 2016 ⋯

Bike sharing services are not balanced. Availability is scarce depending on the station and day. Tried to help by coding an iOS app to check the availability and prediction of Bilbao's bike sharing service using neural networks.

Bicis Web App	`neural.bike`	APR 2019 ⋯

Web App version of Bicis.

Neural-Bikes	`code.neural.bike`	SEP 2017 ⋯

Machine Learning backend to predict bike sharing availability. Updates and uploads the predictions to iCloud. Working on adding more cities and making a public API.

Bilbao Dynamics	`bilbaodynamics.com`	Member	2014 - 2019

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 programing. Taught several courses to young audiences.

Blog	`javierdemart.in/blog`	2019 ⋯

Hosting and serving my own content, Markdown posts served using a YAML frontmatter.

EDUCATION

MsC in Telecommunications Engineering	University of the Basque Country	OCT 2018 - JUN 2020 (exp)
BsC in Telecommunications Engineering	University of the Basque Country	SEP 2013 - SEP 2018

Specialization in Telematics / Computer Science - 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 it is currently being maintained.

REFERENCES

Finalist in the Bizintek Awards for Best Bachelor of Engineering Thesis	JUN 2019
Appeared on Bilbao's radio to talk about bike sharing and my project involving predictions	JUN 2019