

## Employment

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**iOS Engineer, Full Time** **Freelance** **August 2019 – December 2019**

Non-Disclosable

- Implemented an always on VPN for iOS devices with DNS based content blocking
- Coded the logic for VPN that stays connected after network interface changes
- Managed multiple VPNs on a single device with different content blocking requirements
- Swift, ReactiveSwift, ReactiveCocoa, Fastlane & iOS Network Extensions, XCTest, MVVM & Coordinator Pattern

**iOS Engineer, Part Time** **Aholab @ UPV/EHU** **April 2017 – July 2017**

- iOS Text-To-Speech for spanish and basque speakers
- Compiled and linked proprietary speech C/C++ library to interact with it from Swift code
- Swift & AVFoundation

## Education

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**Bilbao, Spain** **Universidad del País Vasco** **September 2013 – July 2020**

- MSc in Telecommunications Engineering, July 2020. Thesis on performing a clustering analysis on bike sharing services and improving predictions using LSTM networks.
- BSc in Telecommunications Engineering, September 2017. Thesis on designing a neural network based bike sharing service prediction service

Relevant coursework: C/Java programming, TCP/IP, Internet Protocol Stack, Cisco IOS routers, designing and deploying telecommunication services, Android development.

## Technical Experience

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### Projects

- **Neural Bikes** (code.neural.bike, 2017). Time series forecasting of bike sharing predictions using neural networks. Automated the process of daily predictions that are uploaded to a backend. Python, Keras, NodeJS, InfluxDB
- **Neural Bikes API** (api.neural.bike). RESTful API to retrieve daily accumulated availability and predictions for each station. NodeJS, CloudKit JS.
- **Bicis App** (app.neural.bike, 2017). iOS App to check Neural Bikes' predictions. Swift, CloudKit, ReactiveSwift, MVVM & Coordinator Pattern.
- **Bicis Web** (neural.bike, 2019). Web App to visualize Neural Bikes' predictions. NodeJS, HTML, CSS & JavaScript.

## Additional Experience and Awards

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- **Bizintek Awards (2018)**: 2nd place awarded to the best BSc thesis.

## Languages and Technologies

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- Swift; Python; TCP/IP; Telecommunications; Internet Protocol Stack; Keras; Time Series Predictions; Git; NodeJS;
- XCode; BBEdit;