

# Jaime Joseba HIDALGO GARCÍA

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Professional in DevOps, Cybersecurity and Networking

## EDUCATION

- AUG 2018 - AUG 2019 **Master of Information Technology and Management**  
Illinois Institute of Technology | Chicago (USA)  
Specialized in Computer and Information Security | Current GPA: 4.0  
Research Thesis on Kubernetes | Other courses: Cloud Computing (AWS) & OS Virtualization
- OCT 2017 - AUG 2019 **Master of Telecommunications Engineering**  
University of the Basque Country | Bilbao (Spain)  
Specialized in Telematics - Computer Science
- SEP 2013 - JUL 2017 **Bachelor's Degree in Telecommunications Engineering**  
University of the Basque Country | Bilbao (Spain)  
Specialized in Telematics - Computer Science

## EXPERIENCE

- FEB 2017 - DEC 2018 **Bilbao Dynamics - Bilbao (Spain)** | bilbaodynamics.com  
Engineer and Teacher
  - Non-profit organization that teaches electronics, robotics, and programming
  - Organized multiple courses and volunteered in teaching diverse knowledge areas
  - Designed and developed software that helped the organization gain awareness and ease education
- JUN 2016 - SEP 2017 **Noisewatch Project Team - Bilbao (Spain)** | www.noise.watch  
Software Engineer
  - Multidisciplinary team hired by city council for reducing noise pollution
  - Directed the software team and designed complete solution for the device
  - Assisted the hardware team in noise measurement signal processing
  - Achieved new technical skills and trained myself to work in professional engineering environments

## SKILLS

LANGUAGES	Spanish, English, Basque, French (Basic)
PROGRAMMING	C, Java, Javascript (NodeJS), Bash, Python, VHDL, Matlab, Web Stack
TECHNOLOGIES	Kubernetes, Amazon AWS, Pentesting, Networking, Linux, Blockchain
OTHER KNOWLEDGE	Electronics, Signal Processing, Office

## ACHIEVEMENTS

- MAR 2018 Rank #1 in Bachelor's Degree in TELECOMMUNICATIONS ENGINEERING  
Achieved highest promotion score of 10/10 | Obtained special honors in 18 courses
- JUL 2017 Honors in Bachelor's Thesis with a score of 10
- JUL 2017 Bizkaia Talentia Program Certification  
Participated in the Bizkaia Talentia Program (2016-2017), targeted at undergraduate seniors with an excellent academic record and other skills identified and evaluated by university authorities
- 2014 | 2016 | 2017 | 2018 IDOM Prize for the best academic records in Engineering School  
Four times awarded the special prize for achieving the highest grades

## PERSONAL PROJECTS

- Expected Jul 2019 **"Study of on-premises Kubernetes deployment for university cloud infrastructure"** | Illinois Institute of Technology  
MSc. Final Thesis
  - Study of viability and deployment of multi-node Kubernetes cluster on university's datacenter
- Jul 2017 **"Analysis and implementation of real-time machine learning models in Big Data platforms and sensible to concept drift"** | University of the Basque Country  
BSc. Final Thesis
  - Implemented state-of-the-art algorithm to early detect and adapt to concept drift
  - Designed three-tier cluster infrastructure using Kafka, Spark & Redis to preprocess before ML
- May 2017 **notMAIL | Message and Notifications delivery protocol**
  - Invented email replacement focused on notifications managed by user controlled subscriptions
  - Designed protocol specification and communications API
  - Programmed multiple API libraries for different languages
- May 2015 **MusicBOO | Multiplatform music and video downloader** | musicboo.hontzakdio.com
  - Developed free video and music downloader, player and converter
  - Maintained backend online since 2015 with over 3000 users
- Oct 2015 **YarHarPictor | PIC16 ROM Flasher**
  - Programmed a PIC16 microcontroller ROM flasher and memory viewer via serial port
  - Adopted by university microcontroller course to assist students implementing their programs