

# Jaime Joseba HIDALGO GARCÍA

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## SUMMARY

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Master of Telecommunications Engineering specialized in DevOps, cybersecurity and networking. Experienced in developing and leading real engineering projects. Seeking to obtain a position in a high challenging engineering environment where my academic skills, experience and creativity will add highest value to the organization.

## EDUCATION

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- AUG 2018 - AUG 2019 **Master of Information Technology and Management**  
Illinois Institute of Technology, Chicago  
Major: Computer and Information Security | Current GPA: 4.0
- OCT 2017 - JUL 2018 **Master of Telecommunications Engineering**  
University of the Basque Country, Spain  
Major: Telematics - Computer Science
- SEP 2013 - JUL 2017 **Bachelor's Degree in Telecommunications Engineering**  
University of the Basque Country, Spain  
Major: Telematics - Computer Science

## ACHIEVEMENTS

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- MARCH 2018 Rank #1 in Bachelor's Degree in TELECOMMUNICATIONS ENGINEERING  
Achieving highest promotion score of 10/10. Obtained special honors in 18 courses.
- JULY 2017 Honors in Bachelor's Thesis with a score of 10  
Thesis: *"Analysis and implementation of real-time machine learning models in Big Data platforms and sensible to concept drift"*
- JULY 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 - 2018 IDOM Prize for the best academic records in Engineering School  
Four times awarded the special prize for achieving the highest grades (2014, 2016, 2017, 2018)

## EXPERIENCE

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- 2017 - 2018 **Bilbao Dynamics - Bilbao (Spain)** [| bilbaodynamics.com](https://bilbaodynamics.com)  
Engineer and Teacher
  - Non-profit organization of volunteers that teach 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
- 2016 - 2017 **Noisewatch Project Team - Bilbao (Spain)** [| www.noise.watch](https://www.noise.watch)  
Software Engineer
  - Multidisciplinary team hired by city council for reducing noise pollution
  - Directed the software team and designed a complete solution for the device
  - Assisted the hardware team in noise measurement signal processing
  - Achieved new technical skills, improved in teamwork and trained myself to work in professional engineering environments

## PERSONAL PROJECTS

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- MusicBOO**    Multiplatform music and video downloader [| musicboo.hontzakdio.com](http://musicboo.hontzakdio.com)
- Developed a free video and music downloader, player and converter
  - With over 3000 users, maintained the backend online since 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
- notMAIL**    Message and Notifications delivery protocol
- Invented an email replacement focused on notifications managed by user controlled subscriptions
  - Designed the protocol specification and communications API
  - Programmed multiple API libraries for different languages
  - Implemented a server node and two independent clients (webapp and Raspberry PI)
- LeagueInfo**    Online game players tracker
- Created a League of Legends' players online tracker with a notification system
  - Allowed to spectate games when that feature was not available in the official client
- SSM**    Server management tool for sysadmins (university course project)
- Facilitates reporting multiple servers or IOT devices' status from a central platform
  - Allows to send batch commands and gather information from a list of servers
- musicBOT**    Two wheel programmable robot
- Designed a programmable (numeric pad and twitter) two wheel robot based on a PIC16
  - Participated with a workmate in designing from scratch a 3d printable chassis

## SKILLS

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| LANGUAGES       | Spanish, English, Basque, French (Basic)                               |
| PROGRAMMING     | C, Java, Nodejs, Bash, Python, Matlab, Web Stack                       |
| TECHNOLOGIES    | Networking, Linux, Cloud Computing, Kubernetes, Pentesting, Blockchain |
| OTHER KNOWLEDGE | Electronics, Signal Processing, Office                                 |
| HOBBIES         | Rubiks Cubes, Video Games, Roller Skating, Lan Parties                 |