

JAVIER ALONSO SILVA

Computer Engineer, software developer and sysadmin

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EXPERIENCE

R&D Embedded Engineer

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📅 September 2021 – today 📍 Tres Cantos, Spain

- Development of a Linux based operating system for routers.
- Real-time and hardware programming of communication devices.
- Other multidisciplinary tasks in cooperation with the team based in Germany.

Higher Education Professor

Retamar FP

📅 January 2021 – June 2021 📍 Pozuelo de Alarcón, Spain

- Impart ISO subject to ASIR1 students.
- Impart PSP subject to DAM2 students.
- Lead second year students with their projects and enterprise practices.

Full-stack developer

Freelance

📅 December 2016 – today

Develop my own applications and solutions for clients and enterprises.

- ADAF project, for SaturnoLabs.
- Other private projects.

EDUCATION

Master Degree in Distributed and Embedded Systems Software

Universidad Politécnica de Madrid

📅 Sep. 2020 – 2021 📍 Campus Sur, Madrid

- CGPA: $3.7/4$ (June, 2021)
- Honoric Mentions: *Engineering in Systems Software, Advanced Smartphone Development, Security of Networks and Systems, Big Data and ML*

B. Sc. in Computer Engineering & Science

Universidad Politécnica de Madrid

📅 Sept. 2016 – Nov. 2020 📍 Campus Sur, Madrid

- CGPA: $2.95/4$ (November, 2020).
- Honoric Mentions: *Object Oriented Programming, Final Thesis Project.*
- Laboratory assistant (Computer's Technology / 2019).

Diverse activities and courses

- Factoría de Talento course (2019).
- Quantum Madrid (since 2019).
- *Clean Code* course (Autentia, 2017).
- Volunteer coordination – bone marrow donation campaign (2019, 2020).
- ECSA Volunteer (2018).
- PyLadies active participant (since 2017).

ABOUT ME

I am a passionate Computer Engineer loving increasing my knowledge and never stop learning! I built OSS tools and hardware for my own needs including from server-side applications to end client solutions.

SOFT SKILLS



Motivation

I love expending time working on my projects and continue learning by myself.



Liderazgo

I would like to become a leader, not a boss. Thus, even after adversities, I tried to be that leader in order to guide, help and reach the goal with the rest of the team.



Fast learner

It's not difficult for me to start learning a new technology or continue improving my abilities, which means that I never stop learning.

TECHNOLOGIES



LANGUAGES

Español ●●●●●
Inglés – B2 (TOEIC) ●●●●●

MY PROJECTS

</> Aplicaciones

Handwashing reminder — Kotlin

An app that reminds you when you have to wash your hands.

 Javinator9889/Handwashing-reminder

ThdKernel — C

Custom kernel for ASUS Vivobook Pro 15 (N580GD).

 Javinator9889/ThdKernel

YouTubeMDBot — Python

A powerful bot for downloading almost every video on YouTube.

 Javinator9889/YouTubeMDBot


Bonsai AIO — C/C++/Arduino

Control water level, temperature, time, bonsai light and automatic irrigation with an Arduino board.

 Javinator9889/BonsaiAIO


KernelUpgrader — Python

A Python tool for upgrade your kernel safely from kernel.org.

 Javinator9889/KernelUpgrader

Calculator — Kotlin

A powerful calculator designed to work as fast as possible using the lowest resources.

 Javinator9889/Calculator

pArm - S2 — C

pArm software built-in the final device.

 pArm-TFG/pArm-S2

REFERENCES

Vicerrector Fco. Javier Jiménez Leube

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Articles

- Silva, Javier Alonso (June 2021). “Análisis de Contenedores Docker y sus implicaciones de seguridad”. In: URL: https://www.researchgate.net/publication/352882918_Analisis_de_contenedores_Docker_y_sus_implicaciones_de_seguridad.
- Javier Alonso Silva, Mihai Octavian Stanescu, and José Alejandro Moya Blanco (Oct. 2020). “pArm – sistema informático empotrado para gobernar un brazo robótico de diseño abierto”. In: URL: <http://oa.upm.es/65304/>.
- Javier Alonso Silva, José Alejandro Moya Blanco, and Roberto Álvarez Garrido (Nov. 2019). “Estudio del manipulador uArm”. In: p. 37.