

VICTOR MANUEL DOMÍNGUEZ RIVAS

Computer Engineer & Software Developer

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Torrejón de Ardoz

VicDominguez



EXPERIENCE

Embedded Software Engineer

TTTech Auto, a NXP company

July 2023 – Currently

Madrid, Spain

- **Software design and implementation** of real-time and safety-critical components running on Linux and QNX Operating Systems for NXP reference boards.
- **Improved software delivery** creating CI/CD pipelines, ensuring software quality.
- **Enhanced knowledge sharing** between teams giving internal workshops.
- Board **bring-up** for customer ECUs based on NXP processors.
- Worked in international and distributed teams.

Back-end Developer

Freelance

September 2021 – December 2022

Madrid, remote

- Backend development of a professional association's website in **Drupal 10**, emphasis of digitalization of several procedures as projects approvals or payments.
- Implementation of cryptographic and digital signature components.

PROJECTS

- **Emotional Wellbeing**, a modern **Android** production-ready app to early detect stress, depression, loneliness and risk of suicide using biometric data from wearables and questionnaires in order to offer advices to improve user's emotional wellbeing.
- **Generation of impressionistic pictures using Neural Networks**, a Machine Learning model to apply artistic styles to pictures.
- **Smart Driving Assistant**, a prototype low-cost Time Real System that implements several ADAS, based on Linux and POSIX.

AWARDS RECEIVED

- Best Master's Thesis in 2023-2024 graduating class.
- Best Computer Engineering record in 2020-2021 graduating class.
- Best Information Society Technologies record in 2020-2021 graduating class.

STUDIES

Master in Distributed and Embedded Systems Software

Polytechnic University of Madrid - School of Computer Systems Engineering

September 2021 – July 2024

Average mark: 9.20

Double Degree in Computer Engineering and Technologies for the Information Society

Polytechnic University of Madrid - School of Computer Systems Engineering

September 2016 – July 2021

Average mark: 8.37

ADDITIONAL INSIGHTS

- Completed **Machine Learning with TensorFlow on Google Cloud Platform** specialization in Coursera.
- Competition in the static tests of **2021 Formula Student UK**.

HARD SKILLS



SOFT SKILLS

C1 level of English
Cambridge Advanced (CAE)

Teamwork

Analytical thinking

Initiative driven