

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

- Development of real-time software for various OS and ARM-based SoCs, following ISO 26262.
- Software modelling and architecture specification definition for safety-critical components following A-Spice.
- Implementation and evolution of CI/CD pipelines and package management.
- Software Integration and board Bring-up for customer ECUs.
- Experience with SAFe methodology and international teams.

Web Development

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.

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

- Master's thesis: *Emotional wellbeing*, an Android app to early detect stress, depression, loneliness and risk of suicide using biometric data from wearables and questionnaires; offering advices to improve user's emotional wellbeing.

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

- Bachelor's thesis: *Generation of impressionistic pictures using Neural Networks*, a ML model to apply artistic styles to pictures.
- Bachelor's thesis: *Smart Driving Assistant*, a Time Real System based on Linux and POSIX to implement several ADAS.

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.

ADDITIONAL INSIGHTS

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

KNOWLEDGE



SOFT SKILLS

C1 level of English
Cambridge Advanced (CAE)

Teamwork

Analytical thinking

Resilience

Continuous learning