VICTOR MANUEL DOMÍNGUEZ RIVAS

Computer Engineer & Software Developer

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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 RTOS 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.

PORTFOLIO

- *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

C   UML   Python   Android   Kotlin   Jetpack Compose   Java   Git   Jenkins   C++   Docker   SQL   MongoDB   Yocto   Keras   ISO 26262   A-SPICE   SAFe

SOFT SKILLS

🎓 **C1 level of English**
Cambridge Advanced (CAE)

👥 **Teamwork**

📊 **Analytical thinking**

🚀 **Initiative driven**