

José Neto

Embedded Systems Engineer

- Age: 25
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- Coimbra, Portugal

Languages

- Portuguese ●●●●●
- English ●●●●●

Interests

- Automation Robotics
- Embedded Systems
- Internet of Things
- PCB Design

Skills

Programming

- C ●●●●●
- C++ ●●●●●
- C# ●●●●●
- Python ●●●●●
- JavaScript ●●●●●
- REST API ●●●●●
- SQL ●●●●●

Tools

- Git ●●●●●

Design Tools

- Alitum (PCB) ●●●●●

Robotics Simulators

- Webots ●●●●●

Work Experience

- April 2023 – **Embedded Software Engineer** Critical Software, Portugal
I contributed to two different projects. One in the Aerospace field and the other related with EV charging stations (OCPP).
Relevant tasks: design, coding (C, C++, C#), testing and integration.
- March 2022 – **Field Application Engineer** Advanet, Tokyo
March 2023
Worked under the IoT/Edge solutions team (IoT Gateways, CAN/Modbus/RS-485 communication).
I acted as the link between the customer (typically industrial and automotive business) and the development and sales teams by building customised solutions adapted to their needs.
Relevant tasks: firmware development (mainly C), scripting (Python, JavaScript) and PCB design.

Internships

- July – **PEJENE 2020** Pavnext, Porto
September 2020
Development of a smart city structure capable of harvesting energy from passing vehicles.
Relevant tasks: Firmware development (C/C++), PCB design, Web development, database management.
- July – August 2019 **Summer Connection Program** CEiiA, Matosinhos
Design and optimisation of low cost and eco-friendly monitoring buoys.
Relevant tasks: Firmware development (C) and PCB design.
- July 2018 **Summer Innovation Week** Critical Software, Coimbra
Built an environmental sensor station, the senseBox.

Education

- September 2021 – **Vulcanus in Japan** EU-Japan Centre, Tokyo
December 2021
Four-month intensive Japanese language course.
- October 2020 – **Master's Thesis** Pavnext, Porto
– July 2021
Development of a monitoring and data communication system for application in Pavement Energy Harvesting (continuation of the PE-JENE 2020 internship).
- Semester 2 2019-2020 **Erasmus+ Study Abroad Program** University of Hull, UK
I spent the second semester of the fourth academic year at the University of Hull, England.
- 2016 – 2021 **Integrated Master in Electrical and Computer Engineering** FEUP, Porto
Major: Automation | Specialisation: Robotics and Systems