

Info

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LinkedIn
Sergi Salgueiro Genís

Github
github.com/ser-
gisalgueiro

Skills

Programming

Go
C
C++
PHP
Python
Bash

Languages

Catalan ●●●●●
Spanish ●●●●●
English ●●●●●
French ●●●●●

Education

Danmarks Tekniske Universitet (DTU), Kgs. Lyngby

2014 - 2016 **Master's Degree in Electric Engineering**

Study line: Automation and Robot Technology.

Relevant courses: Linear Control Design, Robust and Fault-Tolerant Control, Advanced Autonomous Robots, Modular Robotics.

Title of the Thesis: "Object Recognition for Outdoor Mobile Robot Navigation". Supervisor: Søren Hansen.

Universitat Politècnica de Catalunya (UPC), Barcelona

2008 - 2013 **Bachelor Degree in Electronics and Industrial Automation Engineering**

Relevant courses: Circuit Theory, Analog Electronics, Power Electronics, Digital Electronics and Microprocessors, Systems and Control Theory, Electronic Instrumentation, Industrial Informatics and Robotics.

Title of the Thesis: "Software and Hardware Study, Development and Implementation of 2-axes positioning solar panels for photovoltaic installations". Supervisor: Manuel Manzanares.

Experience

Idneo Technologies

1/17 - 12/19 **Embedded Software Engineer**

Part of the software team working at HP Jet Fusion 3D printing solution. Main tasks related to Firmware development in RTOS and QA in a continuous integration environment using Agile methodologies.

C Python Pytest Unity UT Jenkins B&R Modbus SVN

1/20 - 4/22 **R&D Embedded SW Engineer**

Part of the software team working at HP Jet Fusion 3D printing solution. Main tasks related to SW development in embedded Linux and QA in a continuous integration environment using Agile methodologies.

C++ Gtest Embedded Linux Docker TCP/UDP

Wallbox Chargers

4/22 - 12/24 **Senior C++ Engineer**

Been part of a cross-platform team alongside with Mobile and Cloud engineers working for user-oriented solutions.

C++ Gtest Robot Emb. Linux Modbus BLE REST CMake bash Gitlab

MariaDB Raspi i.MX8

1/25 - now **Senior Software Engineer**

Part of the Backend team responsible for developing and maintaining scalable services and microservices within a high-scale IoT ecosystem.

Go PHP Claude Code AWS SNS/SQS MQTT REST Gitlab Docker

MySQL Grafana Databricks