ÁLVARO RUBIO GÓMEZ

AUTONOMOUS SYSTEMS ENGINEER

ABOUT ME

I am a dedicated second-year student of the European programme EIT Digital Master School in the Autonomous Systems track with a major in Robotics, Computer vision and AI and a minor in Innovation and Entrepeneurship.

PROJECTS & COURSES

- Mindfulness Website App Project
- Open Source Software Development, Linux and Git Specialization
- Accelerated Computer Science Fundamentals Specialization
- Monocular Camera Depth Estimation Project
- Applied Robotics Project

CONTACT INFORMATION

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CAREER SUMMARY

Research Laboratory Technician

UNIVERSITY OF QUEENSLAND | MAY 2018 - AUG 2018

- Establishment of the standard operating procedures, including calibration and sensitivity studies, for the testing methods used to identify the material composition and thermal decomposition of cladding materials in the Fire Safety Engineering Laboratory within the School of Civil Engineering
- Development of software tools based on visual basic to automate the generation of standard testing reports based on the output data retrieved from the equipment.

Electronic System Engineer

VALEO LIGHTING SYSTEM | MARCH 2016 - JAN 2018

- Development of software tools based on LabView for the automation of system validation tests, improving the time consumption and accuracy of these tests.
- System requirements definition of two complex full LED rearlamps by IBM Doors. Both systems relied on a microcontroller to manage functions, LED defects and LIN communication with the Body Control Module of the car.
- System test validation from a Hardware and Software point of view by using specific software tools (CANoe) and laboratory equipment.

PREVIOUS EDUCATION

Technical University of Berlin & University of Trento

MASTER IN AUTONOMOUS SYSTEMS | OCT 2018 – PRESENT

University of Seville

ELECTRICAL & ELECTRONIC ENGINEERING | SEPT 2008 – 2015

Aarhus University

YEAR COURSE IN EMBEDDED SYSTEMS | AUG 2013 – JUNE 2014

SOFTWARE TOOLS

- C/C++ , Python
- HTML, CSS, JS
- Node.js, Express
- SQL, MySQL
- Linux, Github
- Tensorflow , Pytorch