Carlos Humberto Montoya

Personal info

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Profile

A driven, open minded, creative and successful software developer with a strong sense of dedication and commitment, and over 4 years of progressive experience using object-oriented development. Great capacity for learning and for solving complex problems, and forging strong relationships with business partners

Work Experience

TSO MOBILE
Cali
Colombia

Development Engineer   **10/2016 – present**
-Design of a Smartboard with parsers to different sensors using Python, and different communication protocols such as RS232, Bluetooth, RS485, TCP/IP, SMTP, TFTP, HTTP, UDP and VNC.
-Integration of GPS units and peripherals connected to them, including Temperature Sensors, RFID,Fatigue Monitor, Fuel Sensors, Jbox, etc. Design Scripts for genx GPS Units.

INOBOTICA
Cali
Colombia

Freelancer   **02/2016 – 07/2016**
-Development of a digital system that automatically take and geotag pictures using a multirotor drone using python.
- Research and development of digital systems
- Communication Protocols
- Sensor Integration

CETOCO SAS
Cali
Colombia

Development Engineer   **06/2014 – 01/2016**
- Development of a smart weather station using a rasperry pi and an intel edison board.
- Development of a digital FPV System for a multirotor Drone
-<u>**Leveraged knowledge:**</u> Sensor Integration, AWS, Programming in Python, Debian,   MQTT, FTP,VNC, SSH among other comunication protocols.

Degrees

Universidad del Valle
Cali
Colombia

Electronics Engineering   **08/2006 – 06/2014**
Programing Coursework: algorithms & data Structures, Operating Systems, Networks, EE Coursework: Embedded Systems, IOT, Computer Arch, Circuits, logic Design, Signal Processing, Artificial Neural Networks

Skills

Programming Languages

Python	●●●●○
Debian	●●●●○
AWS	●●●○○
Node.js	●●●○○
MYSQL	●●●●○

Project Management Methods

Scrum	●●●○○

Languages

English	●●●●○
Spanish	●●●●●