

Iñaki Gonzalo

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PROFESSIONAL EXPERIENCE

Engineering Intern - Iotango

Summer 2015-2017

- Managed industrial devices using Modbus in C and Python.
- Worked on increasing the operational visibility and reliability of a NodeJS instance on a server using Bash and feeding data into Splunk.
- Created a simple interface using the Leap Motion Javascript API.
- Implementing IoT concepts into embedded devices.
- Developed implementations for both Android and Raspberry Pi using Java and Bash respectively.
- Gathered and visualized data with Splunk.

EDUCATION

University of California - Santa Cruz

Bachelor of Science in Robotics Engineering
Cumulative GPA: 3.74

Fall 2017

Honors:

Phi Beta Kappa Honor Society Member

Related Coursework

- *Mechatronics, Data Structures, Advanced Linux, C Programming, Computer Architecture, Logic Design using Verilog, Feedback and Control, Sensing and Sensor Technologies, Microprocessor System Design.*

PROJECTS

Weather Stations

I have built different implementations of a weather station(a computer that collects environmental data and uploads it to a server). The implementations were based on:

- Raspberry Pi+ Arduino combination
- Atmega328pu(Embedded project) + ESP8266
- NodeMCU

Arduino

- Built an IR receiver to control the volume on my Linux computer.
- A Bluetooth based RC car.

Android Applications.

- 3dtictactoe, a 3 dimension tic-tac-toe game.
- De Anza Wifi, a wifi login tool for my college.

ADDITIONAL SKILLS

- Programming languages: Python, C, C++, Java, Bash, PHP, Javascript.
- Experienced with Linux.
- Protocols HTTP, Modbus, MQTT.
- Bilingual in Spanish and English, elementary Japanese.
- Working knowledge of git