Ignacio Guillermo Martínez Rincón

Oracle Student

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Education

Carlos III de Madrid University, Informatics Engineering   September 2014–July 2019

- Bilingual: 99% of the credits coursed in English within an international environment.
- Last course GPA: 9.06/10.00 (3.625/4.00).
- Average 3rd Course: 8.8 / 10.0
- Global: 8 subjects graded with Outstanding.
- B.Sc. Thesis: Smartwatch-Based User Monitoring for Human-Robot Interaction (9.8/10.0 Honors Distinction) (Supervisor: José Carlos Castillo Montoya).
- Relevant Coursework: Security Engineering, Distributed Systems, Real-Time Systems, Computer Networks, Software Projects Development Management, Artificial Intelligence, Mobile Devices Security.

Employment

Analytics Junior Consultant, Oracle   September 2019–Present
Experience:

- Data Science
    * Develop and integrate all workflow pipelines and data processing from APIs to databases
    * Multi-query ETLs
- Cloud Infrastructure
    * Design network and compute infrastructures using Oracle Cloud Infrastructure
    * Provision and maintain necessary resources for projects using Oracle Cloud Infrastructure

Big Data / Business Intelligence Consulting Intern, Oracle   January 2019–September 2019
Experience:

- Cloud Development
    * Develop a Python JSON Deserializer for Oracle Cloud Infrastructure (OCI)'s CLI
    * Automate, with Python Scripting, the process of documentation generation for projects in the pre-production and production phases
    * Version control maintenance and iterative development using V-cycle methodologies

- – Social Sector

  - ∗ Handle ETL Database Operations with ODI (Oracle Data Integrator) and OWB (Oracle Warehouse Builder)

  - ∗ Handle Big Data operations with OBI (Oracle Business Intelligence)

  - ∗ Perform migrations from ODI to OBI

- – Banking Sector

  - ∗ Front and Back-end web development with Apache Tomcat and Bootstrap 4.3

  - ∗ Oversee Machine Learning good practices and the data preparation process

  - ∗ Develop RESTful APIs to provide specific web services

  - ∗ Handle and develop ETL mechanisms with Java 8 to interact with Google Adwords' API

  - ∗ Maintain PostgreSQL databases

Undergraduate Research Collaborator, UC3M   April 2019–July 2019
Department of Automation Systems and Robotics, Carlos III de Madrid University
Supervisor: Dr. José Carlos Castillo
Main responsibilities:

- – Research medical alert systems and their applications in elderly people

- – Perform a Machine Learning, Deep Learning and Neural Network analysis of data with Weka 3 and scikit-learn

- – Cryptographic research: Xiaomi Mi Band 2 and other GATT-based devices

Research Assistant, UC3M   September 2018–December 2018
Department of Automation Systems and Robotics, Carlos III de Madrid University
Supervisors: Dr. José Carlos Castillo, Dr. Fernando Alonso Martín
Main responsibilities:

- – Oversee proper coding practices and standards of university's private repository code

- – Implement Google ASR (Automatic Speech Recognizer) for ROS (Robot Operating System) and manage tests to improve speech recognition performance

- – Improve ABNF grammars to work with Google ASR

- – Maintain UNIX-based Operating Systems

Publications

Smartwatch-Based User Monitoring for Human-Robot Interaction. Ignacio Guillermo Martínez Rincón, José Carlos Castillo Montoya (July 2019)

Skills

LANGUAGES

English   Native or Bilingual Proficiency

Spanish   Native or Bilingual Proficiency

German   Elementary Proficiency

CERTIFICATIONS

Oracle Cloud Infrastructure Foundation for Solution Engineers - Oracle   April 2019

Oracle Business Intelligence Cloud Service Specialist - Oracle   March 2019

COURSES

Learning ROS Step by Step - Udemy   August 2018 - February 2019

Python Theory for Network Engineers - Lynda   February 2019

Python Statistics Essential Training - Lynda   February 2019

Advanced Python - Lynda   February 2019

Advanced Python - Lynda   February 2019

Ubiquitous Computing   January 2018 - June 2018

Android Application Development   January 2018 - June 2018

Mobile Devices Security. Code Obfuscation and Repackaging   January 2018 - June 2018

Front-End Web Design   September 2017 - January 2018

Distributed Systems. An Introduction and Overview   January 2017 - June 2017

PROJECTS

Python Advanced JSON Deserializer

Selenium-based Browser Automator