

# JUAN PULIDO

## ML Researcher and Software Developer

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## ABOUT ME

Systems and Computing Engineer Student, main interests are design and analysis of algorithms, data science, artificial intelligence and related fields like machine learning and deep learning.

- Formal member of CCPL (Colombian collegiate programming league).

Programming Competitions web page: [programmingleague.org](http://programmingleague.org)

- An active member of LISI (intelligent systems Research Incubator Program, from Universidad Nacional de Colombia), Head Teacher: Luis Niño.

- Formal member of UNsecureLab (Research group in cryptography, information security, network security, blockchain and other topics associated with the IT security, from Universidad Nacional de Colombia), Head Teacher: Jorge Camargo.

Research Group site [sites.google.com/view/unsecurelab](https://sites.google.com/view/unsecurelab)

## WORK EXPERIENCE

### Data Scientist

#### Woombat Consulting Group S.A.S

04/19 - Ongoing

Carrera 60 #44-92 Bogotá D.C

Research and develop machine learning models for recurrent pays prediction and coding an intelligent recommendation system to avoid declined transactions (Davivienda Bank)

### Software Developer

#### Dashfleet

Month 2/19 - Month 4/19

Carrera 67 #100-20, Bogotá D.C

Design and code a labelling tool applied in image groups for the creation of data sets using OpenCV visual computing library for Python.

### Software Developer

#### HackLab Colombia

Month 10/18 - Month 12/18

Calle 148 #92-67 Bogotá D.C

Design and code applications using Python and JavaScript based on Science Papers to apply on enterprise resource planning.

### Software Developer

#### Q - Consulting

12/17 - 04/18

Remote

Design and code a 3D Graph Editor in Unity 3D (C# Scripting).

### Big Data Consultant

#### Woombat Consulting Group S.A.S

06/17- 08/17

Carrera 60 #44-92 Bogotá D.C

Design and code a web application to set up the connection between university aspirants and university system registration (Pontificia Universidad Javeriana).

## MOST PROUD OF



Runner up Place AngelHack Bogotá 2019 (Ernst & Young + Tuya)

July 2019



3rd Place Ironhacks Competition Purdue University and National University of Colombia

Fall 2018

## STRENGTHS

Team Work

Motivator & Leader

Data Science

Software Developer

Algorithms and Data Structures

Machine Learning

## LANGUAGES

Spanish



English



## EDUCATION AND COURSES

### Computer and Systems Engineer

#### Universidad Nacional de Colombia

August 2016 - Ongoing

Cumulative GPA: 4.5 / 5.0

Completion Percentage: 58.2%

### MongoDB University

M040: New Features and Tools in MongoDB 4.0

M103: Basic Cluster Administration

M121: The MongoDB Aggregation Framework

M201: MongoDB Performance

M220P: MongoDB for Python Developers

## TECHNICAL SKILLS

- Python** Main language for Scientific computation, Data analysis and Machine Learning using Jupyter Notebook.
- C/C++** Main Language for programming competitions
- Java** Main Language for desktop applications
- Assembly** Main language for micro-processing programming
- JavaScript** Used as Client-Side Web Scripting language
- C#** Used as Scripting language for Unity 3D Graphic Engine

## ACADEMIC PROJECTS

### RUNMapp

**Universidad Nacional de Colombia, Software Engineering I Course**

📅 spring 2019

Interactive 3D map of Universidad Nacional de Colombia in a web application, that allows users to create or edit events and services inside the buildings of the university. The main goal of this application is to help interested users to find these events inside the buildings in the university.

### Ironhacks Mashup

**Universidad Nacional de Colombia, Software Engineering I Course**

📅 fall 2018

Mashup for data visualization in NY using open data With the objective of finding the best habitable district with respect to several parameters as affordability, security, closeness with Stern School of business among other...

### Word2Graph

**Universidad Nacional de Colombia OOP-Course**

📅 fall 2017

Naive NLP Application Developed For OOP Course that Build a Graph using gephi (building the gephi file from raw data, Gephi API no used) from morphosyntactic analyzed texts from several computers using sockets.

### Make a Difference Tumaco

**Universidad Nacional de Colombia DB-Course**

📅 spring 2017

Web application developed in Oracle APEX with PL/SQL and Oracle 12c Database as a Social project for help the Tumaco community.

## University of Helsinki Department of Computer Science

Object-Oriented Programming with Java, part I

### Cisco Networking

CCNA Routing and Switching: Introduction to Networks

### Coursera

Intro to TensorFlow en Español (Google Cloud)

## OTHER SKILLS

S.O: **Linux (admin)** , **Windows (user)**

RDBMS: **Oracle 12c SQL** , **PostgreSQL**

Relational Query Language: **SQL**

Main Agile Methodology: **SCRUM**

Front-End: **HTML5** , **CSS3**

NoSQL DB: **MongoDB**

Graphic development platform: **Unity 3D**

Version Control: **Git**

**Quantitative Analytics** **Spark**

**SKLearn** **Deep Learning** **Keras**

**Flask** **Cloud Computing**

**TensorFlow 2.0** **OpenCV** **LaTeX**