

# Marcel Mauricio Moran Calderon

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## Education

2017 - 2021

### Beng Computer System Engineering

University of Manchester, Manchester,UK

1st year grade: 77%(First class).

Expected degree: First class.

Relevant subjects: Object-Oriented Programming with Java, Distributed Systems, Artificial Intelligence, Computer Architecture and Engineering, Machine Learning, Software Engineering, DBMS, Processor Microarchitecture, OS, Mobile Systems, Graphics, Microcontrollers and System Architecture.

2016 - 2017

### International Foundation Year (Engineering) (UK)

Northern Consortium of United Kingdom Universities, Manchester,UK

Degree: First Class.

Main subjects: Further Mathematics(A\*), Mathematics(A\*) and Physics(A).

## Skills

### Programming Languages

C, Java, Python, Javascript, ARM Assembly, Matlab, SQL.

### Design Programs

Verilog ,Fusion 360.

### Hardware Exp

Stump/MUO Processor, Drones Parrot BeBob, VR Set, Nao Robot, Kinectic Sensor.

### Platforms

AWS, Heroku.

### Version control System And Test

Git/Gitlab , Junit5.

### Languages

Spanish(Mother tongue), English(C1), Japanese(A1)

## Awards

2018

### School of Computer Science, University of Manchester

Manchester, UK

1st place for best interface to web application-PortalOs.

2018

### COSECHA, UNASUR

Manchester, UK

2nd place to the best idea for improving lifestyle in Ecuador.

2015

### SENESCYT, Ecuadorian government

Quito, Ecuador

Awarded Full scholarship (approximately worth of a quarter of a million pounds) to study abroad as a result of being one of the best scores in the Ecuadorian national university entry exam.

## Volunteering

10/18 - now

### Drone team

The university of Manchester, Manchester, UK

Supporting, building and testing game programs made in python for parrot bebop drones.

09/18 - now

### Pass Leader

The university of Manchester, Manchester, UK

Supporting CS students with any problem that they might facing with their 1st year at the university.

## Work Experience

08/19 - 08/20

### Intern-Content Creator

ARM, Cambridge, UK

I will be helping the ARM education team designing and programming hardware platforms and courses for the ARM university program

10/18 - now

### Student Ambassador

The university of Manchester, Manchester, UK

Welcome, tour and chat with offer holders and their parents around the campus

09/18 - 10/18

### Student Helper

The university of Manchester, Manchester, UK

Presented the hardware library in the open days of the CS faculty, me and other two teammates designed programs using JavaScript and node.js to make drones autonomous and let people interact with them.

## Projects

04/2019

### EvenLite

*Developed in a team a web application to organise events using spring framework and java7.*

04/2019

### AChatApplication

*Designed a mobile chat application in android studio capable of sending sound and text through a local server.*

04/2019

### Roberto

*Built an autonomous shopping cart using rover5, arduino mega, sonic sensors and C.*

12/2018

### Spam filter

*Developed a naive Bayes classifier to detect spam emails using Matlab.*

09/2018

### Stendhal

*Debugged with a team of 5 people a MORGP with the help of eclipse-oxygen and gitlab.*

10/2018

### Facial Recognition System

*Built a knn classifier and binary classifier in Matlab to classify photos of 40 different subjects.*

08/2018

### TetrisMultiplayer

*A multiplayer tetris game designed with canvas, nodes.js hosted in heroku.*

# Need more information?

Contact me through the following links:

- 1.- [marcel.morancalderon@student.manchester.ac.uk](mailto:marcel.morancalderon@student.manchester.ac.uk)
- 2.- [marcel\\_moran41@hotmail.com](mailto:marcel_moran41@hotmail.com)
- 3.- [mcube41xd@gmail.com](mailto:mcube41xd@gmail.com)

