

Omar Enrique Quintero Mármol Sánchez

omar.quintero.ms@gmail.com
+52 777 132 61 25

<https://www.linkedin.com/in/omar-quintero-ms/>
<https://github.com/OmarEQMS/>

EDUCATION

- Instituto Tecnológico y de Estudios Superiores de Monterrey Campus Cuernavaca** graduating on December 2020
B.S. Computer Science and Technology GPA: 95/100 (3.8/4.0)
- Unity Certified Associate** 2019
- Bulats** B2 Level 2017
- Instituto Tecnológico y de Estudios Superiores de Monterrey Campus Cuernavaca** 2014 – 2016
Bilingual High School
- Grupo CETEC**
 - Systems and Web Technician Visual Basic, Microsoft Office, Data Bases, Audio & Video Edition, ... 2011 – 2013
 - Diploma in Robotics III Microchip, PIC, Bluetooth, Radio Frequency 2012
 - Diploma in Robotics II Microchip, PIC, USB Communication with PC 2012
 - Diploma in Robotics I Electronics, Circuits, Logic Gates 2011
 - Diploma in Assemble, Maintenance and Networks 2011

PROJECTS AND WORK EXPERIENCE

- Suumbies in collaboration with Supter** (<https://www.suumbies.com/>) 2019
 - Game development prototype for a market test (Unity and a RestAPI in NodeJS)
- Semester I (Full semesters outside the classroom working with real life companies at ITESM)** 2018
 - Platform for the administration of patients with cancer in collaboration with INCAN (Java, MySQL, jQuery, HTML)
- Thales Cuernavaca** 2019
 - Introduction to Machine Learning Course **Imparted** (1 week) (Neural Networks, Hidden Markov Models, Genetic Algorithms, ...)
- D&C Tech - Developer Team** 2018
 - Calibration of devices with image processing (OpenCV in C++)
- Android Developer** 2015-Present
 - <https://play.google.com/store/apps/developer?id=Omar%20Quintero>
 - Apps: Prime Factor, Sudoku Solution, NetLearn, SmashCoaster, Go Shopping
- iOS Developer** 2014-2015
 - <https://itunes.apple.com/us/developer/omar-quintero/id1326552506> (not available at the moment)
 - Apps: Prime Factor, Kill Birds, Strike Moles (not available at the moment)
- Developer in NOVUS Projects (Educational Innovation Projects at ITESM)**
 - PreparaTec** Digital platform for students to watch and practice class contents 2019
 - DELTA** A gradual adjustment for digital and logic design with reconfigurable computing devices 2018
 - MakerLab** Micro manufacturing laboratory for prototypes development 2017
 - SOS** Interactive games for vocational guidance 2016
 - DMHI** Interactive Mobile Holography Device 2015
 - SimulReac** App (iOS and Android) - Simulator of organic chemical reactions 2014
 - Arteclugio** Web page demonstrating projects of the Digital Art career 2013
- MORA (Microcontrolador Omni-propósito con Recursos Ajustables)** 2016
Implemented Microcontroller in an FPGA with a hardware descriptor language.

ABILITIES

- | | | | |
|---------------------------|--------------------------|--------------------|-------------------|
| • Technologies | ○ Java Web Applications | ○ LabVIEW | ○ Fusion 360 |
| ○ Neural Networks | ○ Windows Forms | • Electronics | ○ Corel Draw |
| ○ Genetic Algorithms | ○ HTML | ○ FPGA | ○ Rhinoceros |
| ○ Artificial Intelligence | ○ CSS | ○ AHDL | ○ Photoshop |
| ○ Git & GitHub | • Programming Languages: | ○ Arduino | • Others |
| ○ Unity 3D | ○ C++ | ○ PIC | ○ CISCO Networks |
| ○ Open CV | ○ C# | ○ Raspberry Pi | ○ 3D Printing |
| ○ Open GL | ○ JavaScript | ○ Microcontrollers | ○ Video and Audio |
| ○ Angular | ○ Typescript | ○ Beaglebone | Editing |
| ○ Cordova | ○ Java | • Design | |
| ○ NodeJS | ○ PHP | ○ AutoCAD | |
| ○ MongoDB | ○ Python | ○ Maya | |
| ○ MySQL | ○ Visual Basic | | |

ACTIVITIES and AWARDS

- ExpoTec 2017 Winner** 2017
With the MORA Project (previously mentioned)
- Lebotics (Robotics Team)** 2015
Mentor of Electronics and Programming for the FIRST Robotics Competition (FRC)