

CARLOS SALVADOR CARBONE LORIO  
*Electromechanical Engineer*

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Via Tiberio Imperatore 15, apt. 16, Rome, Italy.

Nationality: Panama, Italy. Languages: Spanish, English, Italian.

## EXPERIENCE

Aug 23, 2017 – December 7, 2017	<b>GIC group</b> <i>Research and development intern</i> <ul style="list-style-type: none"><li>• Due diligence for several agricultural companies</li><li>• Research for technologies and market tendencies of interest</li><li>• Customer report data analysis</li><li>• Social media and newsletter</li></ul>	Alexandria, Virginia, United States
Jan 2015, Nov 2016, Jun 2017	<b>Spider</b> <i>Engineer Translator</i> <ul style="list-style-type: none"><li>• Spanish-English translation for the use of wind turbine platforms</li><li>• Technical assistance during installation and training of platforms</li></ul>	Uruguay, Costa Rica, Nicaragua
May 28, 2015 – Jan 4, 2016	<b>Avalon Games LLC</b> <i>3D Artist</i> <ul style="list-style-type: none"><li>• Handling of multiple design software for 3D design</li><li>• Quick learning of multiple software to support pipeline workflow</li><li>• Few freelancer graphic design projects</li><li>• Video game programming for personal project</li></ul>	Online, for USA from Panama
Sep 2013, Jan 2015	<b>Servicios de plomería Victor</b> <i>Plumbing drawing design</i> <ul style="list-style-type: none"><li>• Intense use of AutoCAD</li><li>• Plumbing design for civil structures like commercial establishments, buildings, etc.</li><li>• Interaction with customer architects</li></ul>	Panama
Jul 2011 – Dec 2016	<b>Freelancer</b> <i>Music professor</i> <ul style="list-style-type: none"><li>• Efficient teaching to people in the range of 5 – 22 years old</li><li>• Guitar, bass guitar, drums and keyboards classes</li></ul>	Panama
Jan 2012	<b>VFX</b> <i>Audio editor</i> <ul style="list-style-type: none"><li>• Audio edition in software for tv and radio commercials.</li><li>• Work under intense environment of advertisement industry</li></ul>	Panama

## EDUCATION

Expected 2021	<b>Sapienza University of Rome</b> <i>PhD in Engineering in Computer Science</i>	Rome, Italy
2018	<b>Technological University of Panama</b> <i>Master of Science of Mechanical Engineering</i>	Panama, Panama
2015	<i>Bachelor of Electromechanical Engineering</i>	
2015	<i>Post graduate course of Video Game Development using Unity 500 hours</i>	
2015	<i>Post graduate course of Mobile Apps 400 hours</i>	
2017	<b>The Washington Center</b> <i>Panama Innovation and Competitiveness Internship Program</i>	Washington, DC. United States

## PUBLICATIONS

2017	<i>Swarm robotics as a solution to crops inspection for precision agriculture</i>	Panama, Engineering, Science and Technology Conference (ESTEC) - 2017
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## MAJOR ACADEMIC PROJECTS

APRIL (2016)-PRESENT, MASTER'S THESIS: CONTROL SYSTEM FOR COOPERATIVE INSPECTIONS. Simulations of multiple quadrotors in ROS, programs were written in C++. Swarm robotics was the concept to be studied and used to simulate flights during inspections of crops.

## ROBOTICS SOFTWARE

ROS	ECLIPSE	GAZEBO	MATLAB
RVIZ			

## PROGRAMMING LANGUAGES

C++	C#	MATLAB	JAVA SCRIPT
Python	LATEX		

## DESIGN SOFTWARE

UNREAL ENGINE 4	SUBSTANCE PAINTER	MARVELOUS DESIGNER	LOGIC PRO
UNITY 3D	MARI	TOPOGUN	PROTOOLS
ZBRUSH	PHOTOSHOP	HEADUS UV LAYOUT	MAYA
3DS Max	ANDROID STUDIO	MOTIONBUILDER	
AUTOCAD	VEGAS	ILLUSTRATOR	

## AWARDS

SENACYT research funding for the call out "Nuevos investigadores 2017"