

# Albert Morales

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• Git-Hub: [github.com/albertm311](https://github.com/albertm311)

## Education

### University of Puerto Rico, Mayagüez Campus

• B.S - Computer Engineering

• Minor - Art

Expected Graduation: May 2020

Major GPA: 3.02

## Skills & Qualifications

### Programming Skills Level:

HTML/CSS ●●●●●●●●○○

SQL ●●●●●●●●○○

Java ●●●●●●○○○○

C# ●●●●●○○○○○

JavaScript ●●●●●○○○○○

C++ ●●●●○○○○○○

Python ●●○○○○○○○○

- Microsoft PowerApps
- Microsoft Power Bi – Data Analysis & Report
- .NET Framework / .NET Core / ASP.NET MVC
- SQL Server Management Studio
- Microsoft Windows PowerShell
- Active Directory (AD) Management
- Microsoft Office
- Microsoft Visio
- Microsoft Azure DevOps Management
- VPN - FortiClient Management
- Thin-Client & Virtual Machines Management
- Leadership; Teamwork; Communication; Presentation; Listening; Problem Solving
- Ability to adapt to new equipment & technologies

### Communication:

- Spanish – Native Speaker
- English – Proficient in Speaking, Writing and Reading

## Professional Experience

- **Programmer Analyst Intern, MCS Healthcare Holdings LLC., San Juan, PR**  
(January 2019 - July 2019)
  - Development of the SMAD (System Main Architecture Diagram) project, consisting in the creation of an architectural diagram for each of the company's applications and systems.
  - Designed and created a SQL Database containing all the general, business and technical information of the MCS systems and applications.
  - Created a Console-App in C# and .NET Core Framework for the automatic generation of a Markdown document containing all the business and technical description of MCS systems and applications.
  - Designed and created the 'SMAD App' developed in Microsoft PowerApps. This application serves as a CRUD model for the SMAD SQL Database and as access applications/systems "library" for the MCS IT staff. Implementation of MS Power Bi for data analysis and reporting.
- **Computer Center Assistant, University of Puerto Rico, Mayagüez Campus**  
(January 2018 - May 2018)  
Ensure the proper use of the computer equipment; entry of data records; primary support to less skilled users.
- **VESO Drone Undergraduate Research, University of Puerto Rico, Mayagüez Campus**  
(January 2016 - August 2017)  
Professor Kejie Lu, PhD.
  - Disaster Alert Management System & Web Application
  - Drone Implementation to Assist Local Emergency Organizations  
Creation of a system that will alert the user in the event of a disaster using the Versatile Service Oriented Wireless Mesh Network platform. Design, provide and implement a drone-carried on-demand Wi-Fi infrastructure and communication platform for emergencies. Integrate technologies with Human-in-the-loop to attend critical needs when a disaster strike.
- **Library Assistant, University of Puerto Rico, Mayagüez Campus General Library**  
(June 2016 - July 2016)  
Book shelving; customer service; assist in the rooms and equipment loan; provide computers for students and employees, and support to less skilled users
- **Health Information Technology-Coop, Abarca Health LLC., San Juan, PR**  
(August 2015 - December 2015)  
Assists the Research-and-Development and Infrastructure team in the development and progress of various platforms used to provide the company services.

## Programming Projects

- **Minesweeper - ICOM4015: Advance Programming Project**  
An original version of the game "Minesweeper" created in Java programming language
- **BattleStarX - ICOM4015: Advance Programming Project**  
Original Version of the classic game "Galaga" created in Java programming language
- **File System Simulator and Virtual Disks Systems - ICOM4035: Data Structures Project**  
Design and develop a simulation system to find the person or group of persons who committed a series of robbery crimes in an island. Created in Java Programming Language. Worked with virtual disks and use it in a process that will implement a simple virtual file system.
- **Car Dealer Backend Service - ICOM4035: Data Structures Project**  
Build the server-side code, called a backend, of an application that keeps track of information in simulated car dealer. Implement Representational State Transfer calls and encoding data with JSON, using Java Jersey.

## Leadership Experience

- **Johnson & Johnson Corporate Readiness Program, Mayagüez, PR (2014)**
- **Boy Scouts of America, Puerto Rico Council (2007 – 2014)**
  - Crew 311 Venturing Program: Vice-President and Treasurer
  - Troop 311 Scouting Program: Assistant Scoutmaster and Senior Patrol Leader
  - Venturing Leadership Skills Course (2010)
  - National Youth Leadership Training (2009)

## Awards

- **Silver Award (2013)**  
Highest Medal in Venturing Program, Boy Scouts of America
- **Eagle Scout Medal (2009)**  
Highest Medal in Scouts Program, Boy Scouts of America