HC 3 Box 34482
Gurabo, PR 00778
robertsantanac@gmail.com

Roberto E. Santana Centeno

Computer Engineering – Agile Methodologies, Full-Stack Web Developer, Application Designer.

SKILLS

Fluent in both **English** and **Spanish**.

Can **read**, **write and debug code** in C++, **Java, SQL, HTML5, CSS3, JavaScript, NodeJS** and **Visual BASIC**.

Good knowledge of **Windows**, **iOS** and **Android**; Skilled in **installing operating systems** and **application software**.

Great **troubleshooting** skills; Able to **identify and solve** most computer problems quickly. Can also troubleshoot **iOS** and **Android** OS.

Proficient understanding of the **MySQL DBMS**; Ability to create functional **Entity-Relationship models**; Great understanding of **Visual Paradigm**.

Proficient understanding of **agile software development methodologies** such as **SCRUM** and **XP**.

EXPERIENCE (Most Significant Projects)

Universidad Del Turabo, Gurabo— *Capstone Design Project: Turabo Virtual Tour (“Best Capstone Design Project Overall” 12/11/2018)*

- Implemented a virtual tour system for the Turabo University, which provides users an exciting way to view the campus and expands upon the powers of virtual tours by creatively using them to automatically navigate users throughout the campus, using the “Auto-Navigation” feature implemented in the project.

Universidad Del Turabo, Gurabo— *Movie Theater Database*

- Designed a functional Entity-Relationship Model and implemented said ER model using MySQL to create a working database for a fully functional movie theater simulation.
- Used understanding of SQL triggers and procedures to automate database operation and error prevention.

Universidad Del Turabo, Gurabo— *C++ Movie Rental Database*

- Used my understanding of C++ code to create a movie rental system that worked using only multiple data structures in conjunction with operating system file management. Creating a system similar to the one used by the popular service: “RedBox”.

AWARDS

Awarded “Best Capstone Design Project Overall” by the Computer Engineering Dean and the University in Gurabo, PR with the project: Turabo Virtual Tour 12/11/2018

2nd Place winner, AgroHackCon 2016 Festival in Caguas, PR with the project: “AgroGuidance App”.