

Ismael Castañeda Villegas

Software Engineer | Texas | www.linkedin.com/in/ismael-castaneda-villegas | www.github.com/IsmaelCastV | ismaelcastaneda.v@gmail.com |

EDUCATION

University of North Texas | Denton, Texas

Expected Graduation: May 2024

Bachelor of Engineering | Computer Science | ABET accredited

Relevant Coursework: Software Engineering, Data Structures & Algorithms, Internet Programming

North Central Texas College | Gainesville, Texas

Graduated: May 2017

Associates of Science | General Studies

Relevant Coursework: Calculus, Physics

TECHNICAL SKILLS

Programming Languages: C(Advanced), C++ (Advanced), PHP (Intermediate), Python (Intermediate), Java (Intermediate), Swift(Beginner)

Web Development: HTML (Intermediate), CSS (Beginner), Javascript (Intermediate), Node.js (Intermediate), Bootstrap(Beginner)

Software Tools: Microsoft Office Suite, Visual Studio Code, Notepad++, Git, Github

Database Management: SQL, Firebase, MySQL, Relational & Non-Relational Databases

PROGRAMMING PROJECTS

Dine86, Academic Project:

June - July 2022

- Designed database architecture for restaurant inventory systems
- Managed communication between web page and database

Library System, Academic Project:

Mar - Apr 2021

- Created a library system which managed 3 different library items using an object oriented programming model.
- Implemented polymorphism to create 3 different types of class items.

Matrix Encoding, Personal Project:

Oct - Nov 2021

- Implemented a program to encode and decode a minimum of 20 sentences into integers using inverse matrices.
- Utilized invertible 2D matrices to accomplish encryption

EMPLOYMENT EXPERIENCE

Entertainment Games Technician | Winstar World Casino | Thackerville, OK

Jun 2019 - Jan 2021

- Inspected over 7,000 of slot machine games and ATMs for hazards and service issues.
- Repaired about 75 machines daily by replacing faulty parts, rebooting systems, and updating software