

# Emilio F. Rivas Avalos

## Education

Instituto Tecnológico y de Estudios Superiores de Monterrey, Campus Querétaro, México.

August 2018 - Expected to graduate December 2023

- Engineering in Computational Systems

## Professional Experience

Santander Bank CTOS, Queretaro, México.

May 2019 - August 2019

*Software Quality Assurance Tester Internship*

- Tested Santander's proprietary Cashier and Business software using designated test cases focused on functionality, security, stability and quality.
- Tested the User Biometric Authorization Software implemented by Santander in transaction authorization processes using designated test cases focused on reliability and security.
- Managed Santander's administrative back-end system (Cobol) in order to set parameters and enable functions needed for the tests of both systems

## Skills

Programming languages and technologies:

- C & C++ (Intermediate)
- Java & C# (Advanced)
- Javascript (Intermediate)
- Python (Intermediate)
- HTML(Intermediate)
- CSS (Intermediate)

-Data structure, interactive design & Cisco Certified Network Associate.

-Creative problem solution

-Project management and Leadership

## Projects

### *Digital Library for students*

Created an online pdf book catalog using HTML, CSS and JavaScript for students to submit links for books pertinent to each major or topic that might help other students , the library was segmented by semester and topics so users can find books that could be useful for them for free.

### *Blindspot alert mechanism*

Developed a collision prevention system mounted on the side view mirror that would warn the driver about proximity to an object on its blindspot with the intent of avoiding collisions. The system was built using an onboard computer to receive and process the data of the ultrasonic sensor as well as the warning LED.

## Personal Information

### Contact

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Queretaro, Qro. México.

### Languages

Spanish - C2

English - C1

German- A2

### Professional Interests

Data Science

Analytics

Machine learning

Front-end development

### Personal Interests

Cinema & TV

Bodybuilding

Traveling

Game development

### Personal statement

Throughout my life I have always strived for one thing, improvement.

As a person and as an engineer my goal is to be better than I was before, whether that is learning something new, optimizing a process or improving who I am as an individual, I will always work to go beyond.