

# FRANCISCO NAVA

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## EDUCATION

### The University of Texas Rio Grande Valley

*Bachelor of Science in Computer Science*

Expected Graduation: May 2024

GPA: 3.46/4.0

### South Texas College

*Associates Degree in Interdisciplinary Studies*

August 2016 – June 2020

GPA: 4.0/4.0

## WORK EXPERIENCE

### Edinburg Consolidated School District

Edinburg, Texas

*Intern – Web Development Intern*

September 2022 – Present

- Maintaining over 30 school websites by utilizing a content management system to update websites in both the front-end and back-end
- Learning and applying Structured Query Language to navigate through the district website's database
- Creating lines of code to improve how student information is collected and how to improve security
- Designing a website from scratch in the front and back-end for a new school being built.

### The University of Texas Rio Grande Valley

Edinburg, Texas

*IT Support – Student Academic Assistant*

February 2022 – September 2022

- Analyzed & implemented a variety of scripts using multiple languages to access hidden or corrupt files
- Dissembled and examined different hardware components such as SSDs, M.2s and motherboards for flaws
- Ran 3<sup>rd</sup> party software such as Linux, Ghost64, System Recovery, Legacy and Acronis to re-image and re-install the operating system
- Utilized Ubuntu Linux to erase flash-based drives and reinstall the desired Operating System on a Window's device

## PROJECTS

### Websites

- Created multiple websites to showcase my personal portfolio and to master HTML, CSS, JavaScript, and Bootstrap skills.
- Implemented a variety of functions and methods on 6 websites created from scratch.

### [Sinatra Hangman](#)

- Created the traditional hangman game using Ruby on Rails and custom test features.
- Utilized concepts such as GET requests, POST requests, MVC, template files, cookies, exception handling and more.

### [Calculator](#)

- Deployed a web calculator that works exactly like a calculator on mobile using the IOS calculator as inspiration.
- Applied JavaScript functions along with HTML and CSS lines of code to accurately assess and calculate the correct output.

### Track Miles App

- A future project to create an app to track the number of miles driven by a bus driver and pay them for the distance.
- This app will be utilized by the entire district and will and will be coded in C++ and utilize databases



## COMPETITIONS

### IEEE Coding Hackathon

- Competed in a 24-hour competition where my team placed 3<sup>rd</sup> in our university, 12<sup>th</sup> in region 5 and top 40% worldwide

### [Nissan Design Challenge](#)

- From the 100 applicants, only 24 were chosen to in a challenge to engineer an item to improve sustainability in electric vehicles.

### [Frontera Devs Hackathon](#)

- Competed in a 24-hour coding competition where my team and I developed a website using API's, HTTP methods and a database to create a minimalist website targeted for Spanish speaking families seeking inexpensive medical services. It is still being updated.

## SKILLS

Languages: C++, HTML, CSS, Java, JavaScript, SQL, Ruby on Rails

Software: Ubuntu Linux, Alpine Linux, MATLAB, AutoCAD, Idea IntelliJ, PyCharm, Jupyter Notebook, Content Management System, Servers, Node