

## Skills

- **Programming Languages:** C++, C, Python, Java, Haskell, Ruby, Rust, HTML, CSS, JavaScript
- **Technical:** Linux, MacOS, Android Studio, Bootstrap, Ruby on Rails, Git, OpenCV, pyTesseract, SQL
- **Core:** Object Oriented Programming, Data Structures and Algorithms, Software Engineering

## Education

**A. S, Computer Science, South Texas College, McAllen Texas, Dec. 2022**

- 4.0 Major GPA, 3.0 cumulative GPA.

**B. S, Computer Science, University of Texas Rio Grande Valley, Edinburg Texas, Expected Dec. 2023**

- 3.52 GPA

## Projects

**SecureLens** - Elementary School Security

I developed this program to help improve elementary school security.

- Automatic license plate recognition software.
- Traffic monitoring and plate recognition with Yolov8/EasyOCR.
- Developed in Python with Flask.
- Compares license plates to a database of registered students to automate releasing students from their classroom to the pickup area in real-time.
- Blacklist feature, a blacklisted plate alerts campus authorities and appropriate safety measures can be taken.

**Ally** – Government Assistance Resource Index

An android app I developed at the Frontera Hacks Hackathon that won best social good project!

- Developed in android studio.
- Redirects users to government benefit websites related to their issue.

## Experience

**Youth Development Coach III, Texas Juvenile Justice Department**

August 2021 – December 2021

- Provide direct supervision and care for offending youth in a residential correctional facility.
- Implemented intervention methods for behavior correction.

**Boilermaker Mechanic Leadman, Koch Specialty Plant Services**

October 2014 – May 2022

- Managed a working crew and communicated directly to foreman and project manager.
- Accurately read and understood distillation column blueprints and carried out written instructions.
- Identified any potential issues within the job scope to address with plant engineers.
- Supervised work orders for entire structures from beginning to job completion.
- Made entry into confined spaces to remove and install new demisters, liquid distributors, packing material and supports, collectors, and distillation trays.

## Activities

- Member of Frontera Devs, a software development and computer science club at UTRGV.
- Winner of Best Social Good Project at Frontera Hacks Hackathon (02/2023)