

# Jesus Martinez

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## EDUCATION

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**University of Texas Rio Grande Valley | 1201 W. University Dr, Edinburg, TX 78539**

July 2018 - December 2022

- Bachelor of Science in Computer Engineering
- Overall Current GPA: 3.66 | Major GPA: 3.78
- UTRGV Dean's List, 2018 - 2021
- UTRGV President's List, 2020 – 2021

## EXPERIENCE

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**Undergraduate Research Assistant**

January 2022 - May 2022

University of Texas Rio Grande Valley | Edinburg, TX

*Tools & Technologies - Python | Linux | CARLA*

- Undergraduate research assistant in the area of Artificial Intelligence, more specifically in autonomous transportation.
- Current project consists of creating an autonomous vehicle simulator, where one can sit and experience autonomous transportation with different scenarios. (Funded by the NSF)
- Lead programmer, tasked with creating different scenarios using the CARLA python API and training an agent using reinforcement learning.

**Data Structures & Algorithms Teaching Assistant**

August 2021 - December 2021

University of Texas Rio Grande Valley | Edinburg, TX

- Assist two classes combined for over 80 students with assignments/projects or any questions they may have.
- I also grade assignments and projects which are written in C++.

**Software Engineer Intern**

June 2021 - August 2021

[Lob](#) | San Francisco, CA

*Tools & Technologies - JavaScript | Node | SQL | Postgres | AWS | Docker | Datadog | Sentry | Jira | Postman | Git*

- Created endpoints for employees to process requests to redact personal information from databases which reduced workload from engineers and possible user error.
- Created development environment using Docker for local development and testing for my redactions project.
- Increased security and overall API performance by upgrading dependencies in a large codebase.
- Read about some of the work I did. - <https://www.lob.com/blog/protecting-privacy-with-data-redaction>

**Software Developer Mentee**

June 2021 - August 2021

[Codubee.com](#) | Remote

*Tools & Technologies - JavaScript | Node | Express | Jira | Postman | Git*

- Worked on a full-stack math tutorial project on the backend team, where we got real world experience while being guided by a mentor.
- Link to web-app – <https://mathskillsmw3-4-front.herokuapp.com>

## SKILLS & TOOLS

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- Languages: C++ | CSS | HTML5 | JavaScript | React | Node | Python | Ruby | SQL
- Development Tools: Docker | AWS | Scrum | Jira | Git | Postman | API development
- Soft Skills: Teamwork | Excellent Written and Verbal Skills | Time Management | Fast Learner | Public Speaking

## PROJECTS

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- Personal Website - <https://martje55555.github.io/>
  - Tools & Technologies - React | NPM | Github-Pages
- Discord Bot - <https://github.com/Martje55555/MeowBot>
  - Tools & Technologies - Node | Discord API | Multiple other APIs | Heroku
  - Used in personal Discord server of over 40 users, (Always running out of free dynos every month).
- React Chat App - <https://github.com/Martje55555/ReactChatApp>
  - Tools & Technologies - React | Node | Socket.io | Express
  - Built to increase my knowledge of WebSockets.