

Francisco Gonzalez

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 <https://github.com/dangersflow>

EDUCATION

The University of Texas at Rio Grande Valley (UTRGV) – Edinburg, TX	Graduated
Bachelor of Science in Computer Science	May 2020
	GPA: 3.52
The University of Texas at Rio Grande Valley (UTRGV) – Edinburg, TX	Expected Graduation
Master of Science in Computer Science	May 2022
	GPA: 3.52

PROFESSIONAL EXPERIENCE

Research Assistant at Algorithmic Self-Assembly Research Group – UTRGV **May 2019 – Present**

- Partaking in research that includes, but is not limited to, self-assembly, unique assembly verification, and tile automata.

Teaching Assistant – UTRGV **January 2020 – May 2020**

- Tasks include grading assignments, exams, and helping any students that have questions.

HACK-A-THONS

Code:RED – Houston, TX **November 2017**

Competitor

- Developed the front end of an application that tried to distinguish a given plant and give information about it. It was the winning application in the Augmented Reality track.

Hack Research – Edinburg, TX **December 2019**

Competitor

- Wrote a research paper with a colleague. We strived to prove that a certain problem, regarding robot motion planning with global control, was able to be solved in polynomial time.

PROJECTS

Spektrogram: An Audio Spectrum Analyzer **May 2019**

- Spektrogram is a tool that allows you to see the audio spectrum of a given audio file in your phone.

Discrete Count Tile Automata Simulator **September 2019**

- A research project observing the random linking of three different tile types in a line, and the probability that a line of a certain length will be built.

FindMeVending **May 2020**

- An android application that can display a university campus map with most, if not all, nearby vending machines; detailing with a picture of a vending machine and a description of what it contains.

VR Game Demo using Unity **May 2020**

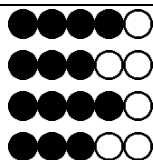
- A virtual reality game demo created with Unity; using C# to implement game features.

Dog vs Cat Machine Learning Classifier **August 2020**

- A basic machine learning classifier that can determine whether a given image, as an input, is either a dog or a cat.

SKILLS

- C++
- Java
- Python
- Flutter



- Windows
- Linux
- English
- Spanish

