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# Carlos Rios

## Computer Scientist

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## EDUCATION

**University of Houston-Downtown**, Houston Texas

*Bachelor of Science in Computer Science*, December 2017    GPA: 3.18

## RELEVANT PROJECTS

### **Discord Bot/Web Scraper**- *Solo Project*

JANUARY 2018

- Programmed chat bot using Node.js with simple functions such as greetings to users getting online and meme generators.
- Retrieves image/gif links from iFunny and Reddit/Funny and stores them in a .txt file for Discord Bot to use when user ask for memes.

### **Roads of Rage Video Game**- *Lead Developer*

AUGUST 2017 - NOVEMBER 2017

- Designed and implemented the Enemy, Player, and Map classes and its corresponding functions, such as map scrolling, hitboxes, animation, attacking, enemy spawning, and AI.
- Scaled sprites to conform with 1920x1080 resolution using GIMP

### **Magic the Gathering Card Searcher and Database** - *Lead Developer*

JANUARY 2017 - APRIL 2017

- Created an application, using Swing Framework, that allowed users to filter through MySQL Database that contained over 30,000 cards.
- Imported .JSON file to MySQL Database using Google's GSON API in Java. Used ER Diagram to normalize database to 3.5NF.

## SKILLS

- **Proficient:** Java
- **Familiar:** C++, C, Ruby, Python, HTML, CSS, Javascript, Node.js, Processing, SQL, and Git.
- Basic linux command line experience
- Fluent in Spanish