

HASBANNY IRISSON

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TECHNICAL ENVIRONMENT

Languages: C++, C, R, Python, Ruby, Javascript, Java, HTML/CSS
Databases: MySQL
Software: Visual Studio 2015, Android Studio, Eclipse, RStudio
Platforms: Windows 10, Linux
Source control: GIT

PROFESSIONAL EXPERIENCE

Research Assistant, UTRGV Computer Science Department

Spring 2019 - Present

- Collaborating with Dr. Marzieh Ayati to research Kinase Substrate prediction in cancer.
- Created a web application in R/R-Shiny that allows users to upload their own datasets to create the kinase substrate prediction method for their data.
- Currently developing an R-package for kinase substrate prediction.

Research Assistant, UTRGV Computer Science Department

Summer 2017 – Fall 2018

- Collaborating with Dr. Megan Strait to research [Social Systems](#) in Robotics.
- Created a web application in Javascript that will be used to conduct a behavioral experiment to determine the social interaction of humans with robots.
- Conducted the behavioral experiment on different students.

Assistant Manager, Kato Sushi

Feb. 2018 – Jan. 2019

- Learning how to manage large teams.
 - Enhanced my problem-solving skills by effectively dealing with complications in short amounts of time.
 - Getting first-hand experience in how to run and maintain a personal business in the restaurant industry.
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EDUCATION

Bachelor of Science in Computer Science, Minor in Management

The University of Texas Rio Grande Valley, Edinburg, TX

Graduation Date: May 2019

GPA: 3.65

Relevant coursework:

- Java
- CS II: Implemented data structures such as linked lists, queues and stacks. In addition, implemented several sorting algorithms and created function using recursion in C++.
- Alg. & Data Structures: Implemented structures such as, weighted graphs, hash tables, heaps, AVL trees, and binary search trees. In addition, I implemented greedy algorithms and dynamic programming.

Projects:

- Phosphoproteomics Analysis: A web application developed in R-Shiny for the prediction of kinase substrates in cancer.
 - Lookit!: A memory game application for Android designed to help people with ADHD. It contained several levels and had the implementation of Firebase to keep score of the users' time and score.
 - Rio Grande Valley Hunting Game: A windows console game that used a directed graph and breadth-first search for the user to hunt for Pokémon as they arrive to their destination using the shortest path.
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AWARDS

- President's List Fall 2017, Spring 2019
 - First place in the 14th annual Computer Science Senior Research Spring 2019
 - Grace Hopper Celebration Scholar Fall 2018
 - Dean's List Fall 2015 – Spring 2016
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SKILLS

- Bilingual: can speak, write, and read Spanish and English proficiently.
- Multimedia Specialist certification:
 - Certified in MS Office 2013: PowerPoint, Word, Access, and Excel.
 - Certified in Adobe Dreamweaver CS6.