Jaime A. Alvarez Perez

Edinburg, TX 78539 · +1 (956) 897 – 3220

jim@supersweet.dev · linkedin · github · website

Education

Master of Science in Computer Science, The University of Texas Rio Grande Valley, Edinburg, TX

Jan 2021 - May 2023, GPA 3.50

Bachelor of Science in Computer Science, The University of Texas Rio Grande Valley, Edinburg, TX

Aug 2015 - Dec 2020

Relevant Courses: Behavioral Modeling, Human Robot Interaction, Internet Development, Deep Learning

Experience

USC Institute for Creative Technologies - Learning Sciences, Ben Nye, Full-Stack Development Intern

June 2019 - August 2019, June 2021 - August 2021

- Designed and deployed a user-friendly internal tool for editing complex, redundant XML scripts, streamlining the editing process and improving efficiency. Hosted here.
- Owned the progress display for mentor design on an educational app during my second internship, ensuring transparency and up-to-date tracking of the user's work. Log here.

PUEDE, Web Manager

January 2019 - April 2019

- Managed initial setup of the website and created identity graphics.
- Implemented an efficient outreach system to expand the organization's reach.
- Logo, structure, and utilities still in use.

UTRGV Social Systems Lab, Lab Assistant

September 2018 - September 2020

- Assisted Professor Megan K. Strait in research and lab-related tasks. Performed robot and system maintenance.
- Contributed to the study on human-robot interactions.

Teaching Experience

UTRGV Department of Computer Science, Teaching Assistant

January 2021 - Present

- Assisted in teaching Introductory Computer Science, Unity Game Development, Programming Languages, Robotics, Cloud Computing.
- Facilitated interactive learning experiences for students.
- Developed tools for easy deployment of specialized software for in-class use.

Skills

- Coding: Proficient in C, C++, C#, Python, JS (React).
- Circuit Design: Skilled in using KiCad v6.

Publications

- HRI Student Design Competition – contributed to visual design, mechanical implementation, and software for robot submissions.
  - "Using Negative Affect to Reinforce Cooperation in Human-Robot Interactions" HRI2019
  - "Using Negative Affect to Reinforce Moral Norms in Casual Speech" HRI2021
- "The Uncanny Valley Manifests Even with Exposure to Robots, Strait, et al." HRI2020