

Ivan Rivera

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EDUCATION

New Jersey Institute of Technology

Bachelor of Science in Computer Science

Newark, NJ

Sep. 2020 – Dec 2024

- Internet Applications
 - Learned HTML/CSS, Javascript, and PHP programming languages
 - Utilized learned programming languages to develop a full-stack web application, through a course project
 - Learned version control to track project developments, with Git
- Senior Project
 - Worked on a project, while attempting to solve a problem the group identified
 - Completed assigned tasks in order to meet deadlines set by project manager
 - Presented project to public audience and panel of judges

EXPERIENCE

NJIT OUT

New Jersey Institute of Technology

March 2023 – May 2024

Newark, NJ

- Took initiative when previous leadership went AWOL, becoming Vice President in the process
- Acted as a liaison between other organizations, both internal and external

Game Room Attendant

NJIT Office of Student Involvement and Leadership

September 2020 – December 2024

Newark, NJ

- Tracked equipment handed to patrons using an excel spreadsheet
- Reported to upper management any problems that occurred on the job

PROJECTS

It Bubbles up Within Basil | *Ren'Py, Git*

Jan 2025

- Visual novel made in Ren'Py game engine over the course of 48 hours for a Game Jam, adhering to a theme given by organizers
- Scoped project in its entirety, along with managing the pace of project
- Utilized git version control to use work from recruited artist

Pixel Puzzle | *Python, Javascript, HTML/CSS, Git*

Jan 2024 – May 2024

- Wordle-like that makes users to guess what a picture, taken from an image API, is in a set amount of guesses
- Wrote a Python script to handle the blurring of an image
- Front-end code handled the three game modes; standard, hard, and timed

Pokemon Website | *Pokemon GO API, Javascript, HTML/CSS, PHP, SQL, Heroku, Git*

Sep 2023 – Dec 2023

- Full stack application deployed using the Heroku platform
- Made use of a Pokemon API to store information of all 1025 Pokemon and their typings in a database
- Wrote SQL queries to create tables for data to be stored in
- Utilized Javascript and PHP for user functionality such as API calls, and user association

TECHNICAL SKILLS

Languages: JavaScript, HTML/CSS, Python, C/C++, PL/SQL, PHP, Bash, Rust, GDScript, Java

Frameworks: React, Svelte

Developer Tools: Git, Github, VS Code, Node.js, MongoDB, Godot, Pycharm **Libraries:** d3.js, pandas, NumPy, Matplotlib, Dash, PIL