

Jorge Perez

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EDUCATION

Hunter College

Bachelor of Arts in Computer Science

Manhattan, NY

Aug. 2017 – May 2022

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML/CSS, C++, Python

Frameworks: React, Node.js

Developer Tools: VS Code, Visual Studio, GitHub, Firebase, PyCharm

Libraries: React Router, pandas, NumPy, Matplotlib, Selenium

PROJECTS

Criminal Activity in NYC | *Python*

November 2021 – December 2021

- Explored and extracted information on criminal activity in NYC by applying data science techniques on multiple public New York Police Department data sets
- Converted all data sets into data frames with pandas and filtered each data frame for analysis
- Computed the monthly and yearly counts of criminal activity in all 5 boroughs of NYC and showcased the extracted information with multiple plots using Matplotlib

Maze | *C++, JavaScript, HTML/CSS, React, Firebase*

November 2021 – Present

- Developed an all maze focused web application with React, JavaScript, and pure CSS
- Implemented a random maze generator with depth-first search, backtracking, and a stack
- Implemented an agent that uses reinforcement learning to traverse and solve a maze in real time
- Designed and built single player and two player offline game modes
- Created a simple online 2-4 player game mode with a real time database from Firebase

Website Portfolio | *JavaScript, HTML/CSS, React, React Router*

January 2023 – Present

- Developed a coding portfolio inspired by Nintendo's Game boy Color and old school retro games with React and React Router
- Designed animations and a fun engaging layout with pure CSS
- Implemented a drag and drop feature from scratch with JavaScript and CSS
- Designed a responsive user interface that works smoothly in all screen sizes

Pixel Games | *JavaScript, HTML/CSS, React*

May 2023 – Present

- Developed web browser games like tic-tac-toe, blackjack, and memory games with Reactjs
- Implemented a game picker menu and start screens for each game
- Designed the app to be compatible in all browsers and tested the browser compatibility
- Designed a responsive user interface to ensure a smooth user experience on all popular devices