

Juan Baltazar Tapia

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Languages	Frameworks / Databases	Tools
Python JavaScript TypeScript Java R	MySQL Tailwind.js Next.js Node.js	VS Code Mysql Jupyter Notebook Git IntelliJ

Experience

Management Leadership for Tomorrow

Washington, DC

Software Engineer Intern

June 2023 - August 2023

- Worked with 4 team members on Frontend and Backend utilizing Reactjs, Nodejs and TypeScript to create a blog website with articles around lifestyle, tech and art built from scratch.
- Developed the UI utilizing Tailwind framework as the base for the structure of the website.
- Developed the backend with MySQL and NodeJS.
- Collaborated using tickets, made pull requests through GitHub, weekly code reviews, and worked together as a team.

Computer Science Tutor

Willimantic, CT

Tutor

October 2023-Present

- Provided one-on-one assistance to undergraduate students in computer science courses such as data structures and algorithms, computer science fundamentals, and data science.
- Led study groups and review sessions, contributing to a collaborative learning environment, as well as communicating regularly with students and staff to ensure student success.

Technical Projects

Dijkstra's Algorithm Application (Python)

- This algorithm is used by Google maps to determine the shortest path between source and destination.
- Dijkstra's algorithm is implemented in python along with a blog post explaining the origin of Dijkstra's algorithm and a step-by-step guide on how it works.

Multiclass Classification Machine Learning Models (Python)

- Developed a Jupyter notebook with code for a multiclass classification Machine Learning prediction model.
- This script allows the user to draw a number freely and let the model predict what class it is.

Professional Development and Community Involvement

Management Leadership for Tomorrow (MLT)

Washington, DC

Career Preparation Fellow

March 2022-November 2023

- Accepted into an 18-month professional development program for high-achieving diverse talent.
- Complete business case studies and assignments to grow leadership and technical skills.
- Attend conferences hosted by industry leaders, such as Deloitte, LinkedIn, and Target.

The Center for Community Engagement (CCE)

Willimantic, CT

Volunteer

August 2020-Present

- Collaborated along 20 volunteers packaging food pantry into boxes distributing a total of over 100 boxes.
- Partnered with Garden Club of Windham to remove invasive species and move 100 pounds of wood chips.
- Worked alongside 30 volunteers in a fast-paced environment to distribute thanksgiving food to those in need.

Education

Eastern Connecticut University

Willimantic, CT

Bachelor of Science in Mathematics, Minor in Computer Science

Expected May 2024

Awards: Scholarship Recipient of Dream.US Opportunity Scholarship