Ostavo Palacios

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Education

The City College of New York   Graduated June 2021
Bachelor of Engineering in Computer Engineering

Skills

Programming Languages: C++/C, HTML/CSS, React.js, Java, Assembly, SQL, Python, Scratch

Design Software: Matlab, MultiSim, Arduino, Android Studio, React, Git

Languages: Spanish (Fluent)

Projects

JukeBerry - *React Front End Developer,* City College of New York   March 2020 - December 2020
- Designed and deployed a website that creates private music rooms for people to join and make group playlists by studying and using React.js, Spotify's Web API documentation, Bootstrap, and Heroku.
- Collaborated and communicated with two other teammates under a scrum workflow to implement the structure, user interface, and user experience flow of our application, and used Git to update and produce new features promptly.

Fruition - *CTO,* New York, NY   February 2019 - May 2019
- Created "Fruition," a website-based application intended to improve college students' study habits/performance by understanding their learning style and providing them with the necessary resources.
- Deployed "Fruition" using Heroku and pitched the website to a panel of three judges and a public audience the functions of our app, and financial forecasting for the startup, with a prize of potential funding.

Trash Detector - *Marketing Director,* New York, NY   April 2018
- Won the best implementation for leveraging IBM Watson Visual Recognition (API) in python.
- Designed and pitched "Trash Detector," a program that tracks garbage disposal in NYC subway tracks with python, to a panel of five judges within seven minutes.

Work Experience

Participating in Literacies and Computer Science - *Research Assistant,* New York, NY   November 2019 - Present
- Lectured middle schoolers about data analysis and overfitting by demonstrating a machine learning algorithm when analyzing a forest fire dataset.
- Co-facilitated an online personal development workshop to over 80+ teachers and members of the Department of Education during the summer to teach them and spread awareness about our syncretic learning practices and method.

Palacios Cafe - *Manager,* New York, NY   December 2016 - Present
- Deployed a series of weekly ads on social media that increased daily revenue by 225%.
- Manage and communicate with all online vendors to assure that income for the business is being handled properly and overhauled any errors found in the systems that attracted more patrons by 10%.

Community Outreach

Pre-College Engineering Day - *Projects Team Leader*   January 2020 - March 2021
- Transformed original proposal for a high school friendly competition between ~250 students by proposing the use of virtual MicroBit and MakeCode, reducing the cost of time and resources for preparation.
- Assisted directors in accelerating the planning process by mentoring and managing volunteers to prototype projects for the virtual event before the deadline.

ReactJs Workshop - *Speaker*   July 2020
- Hosted a 2-day online workshop for college undergraduates through zoom that introduced them to HTML/CSS, Javascript, and ReactJs, and basic website designs that brought in new members, increasing club activity and members.

Affiliations

IT Director, Latin American Engineering Students Association (LAESA-SHPE)   September 2019 - June 2021
- Successfully deployed and managed the website for the club that attracts new members, alumni, and sponsors for our club while also informing and updating current members of events, opportunities, points, and open director positions.
- Creating user profiles for over 100+ members in the club and a database to increase the number of active members.
- Developing a chatbot using Slack's Web API in Javascript to provide our active members with useful information like scholarship and volunteering opportunities.