Alexis Geraldo Perez-Mendoza
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Education

Stony Brook University B.S Computer Science Expected in May 2022

Suffolk Community College A.S in Computer Science
G.P.A: 3.6/4.0

Experience

Software Engineer Intern at Snooper Network– Part-time ***July 2020- Current***
Remote
- Modify and maintain landing page and all routes
- Worked alongside CTO in creating an admin control panel (Front-End, Back-End)
- Utilized Amazon Web Services for devops

2020 Suny Undergraduate research Conference – Audio Visualization/Analysis Project ***Dec 2019- Mar 2020***
First Author – *Javascript, HTML, CSS* *Syracuse, New York*

2020 CEWIT Hackathon @SBU WINNER - Machine learning prediction project ***Feb 14, 15, 16, 2020***
- Python, Flask, HTML, CSS *Stony Brook New York*

Skills

- *Languages*: Python, Java, JavaScript, HTML/CSS, SQL, MIPS, Bash
- *Data Technology:* PostgreSQL, MongoDB, Springboot
- *Frameworks*: React JS, Springboot Java, Android studio, Scenebuilder Java
- *Operating Systems:* Linux, Windows
- Other: Knowledge in Agile Developement and MVC design

Projects

Ghost Kitchen (Delivery Service) – *React JS, HTML/CSS, Java Springboot, PostgreSQL*
- Allows users to register, as a Customer, Driver, or Store owner
- Store owners, can set up their own restauraunt, Customers can order food, and Drivers can deliver the orders
- Full stack web development project using Java backend and React JS frontend

Smart Text Editor Application - *Java*
- Provides spell check through the use of HashMaps
- Machine Learning to generate text from scratch given a large textfile sample using Markov Chains and Linked List
- Calculate flesch score by integrating english syllable rules and Event Listeners

Sound Visualization Research Project - *JavaScript, HTML, CSS*
- Analyze sound input from an MP3 file or sound input via microphone
- Sound visualization using snowfall to reveal and display patterns in sound

MVP Machine Learning Prediction - *Python, HTML, CSS, Javascript*
- Uses a correlation matrix to add weight to DATA INPUT in order to pad data
- Predicts who the next NBA MVP will be by using Linear Regression, Random Forest Regression, and Gradient Boosting Regression

Twitter bot – *Python*
- Uses Twitter API to track President Trump's tweets and reply to them with a reformatted version of his tweet using Markov Chains (troll bot)

Relevant Course Work

Discrete Mathematics
Object-Oriented Programming
Computer Architecture & Organization
Applied Linear Algebra
Engineering Design
Data Structures and Algorithms
Applied Combinatorics