Alexis Geraldo Perez-Mendoza

Github: @alexperez52   **E: alexperez52@gmail.com**
LinkedIN: /in/alexis-perez-mendoza/   http://www.alexis-perez-mendoza.tech/

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 –   *July 2020- Sept 2020*
- Modify and maintain landing page and all routes   *Remote*
- Worked alongside CTO in creating an admin control panel (Front-End, Back-End)
- Utilized Amazon Web Services for deployment

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
- Generates text from scratch given a large text file sample using Markov Chains and Linked List
- Calculate Flesch score by integrating English syllable rules via Regular Expressions 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 any user's tweets and reply to them with a reformatted version of his tweet using Markov Chains (troll bot)

Relevant Course Work

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