

Alexis Perez-Mendoza

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Education

Stony Brook University

B.S Computer Science expected Dec 2022

GPA: 3.44 / 4.00

Experience

Amazon (AWS) – Software Development Engineer Intern

May 2021 - Aug, 2021
San Francisco, Bay Area

- Designed and created a Prometheus data generator to generate metrics (Counter, Gauge, Histogram, Summary)
- Enhanced the OpenTelemetry Operator by creating a Target Allocation mechanism that supports http service discovery
- Automated workflows for various Prometheus compliance standards

Snooper Network – Software Engineer Intern

Jul 2020 - Sept, 2020
Remote

- Created and maintained all webpage routes (Front end)
- Created an admin control panel to view user statistics (Fullstack)
- Utilized Amazon Web Services for deployment

2020 CEWIT Hackathon @SBU WINNER - Machine learning prediction project - Python, Flask, HTML, CSS

Feb, 2020
Stony Brook, New York

- Predicted 2020 season NBA MVP using Linear regression, Random Forest regression & Gradient boosting regression
- Used Python libraries: Scikit-learn, Numpy, Pandas & Google cloud computing

Projects

Ghost Kitchen (Delivery Service) – React JS, HTML / CSS, Java Springboot, PostgreSQL

- Full stack web development project using Java Springboot backend and React JS frontend
- Allows users to register, as a Customer, Driver, or Store owner similar to Uber Eats
- Store owners, can set up their own restaurant, Customers can order food, and Drivers can deliver the orders

Smart Text Editor Application - Java, Java FX

- 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

Skills

- Languages: Java, Golang, Python, JavaScript, HTML/CSS, SQL, MIPS, Bash
- Data Technology: PostgreSQL, MongoDB, Spring Boot
- Frameworks: React JS, Springboot Java, Android studio, Scene Builder Java
- Operating Systems: Linux, Windows, MacOS
- Other: Knowledge in Agile Development and MVC design