GIANFRANCO MACARAEG

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Employment

Amazon
Data Analyst July 2013 to May 2017
Coppell, Texas

- Designed queries that led to the development of accurate defect targeting resulting in 15x improvement from the site's 80,000 Defects Per Million Opportunities(DPMO) reduced down to an average of 5,000 DPMO in under a year.
- Achieved highest defects fixed per Count/Audit Hour metric against similar facilities (AR Non-Sort) resulting in reduction of labor cost by 22%.
- Analyzed Inventory trends and defects to provide high-level details on inventory variances.
- Developed data collection processes and data management systems in order to maintain high quality and accurate data.
- Presented analysis and taught leadership team on how to interpret inventory defect trends in easily digestible standard reports.
- Reduced data extraction time by over 50% by implementing advanced SQL techniques to calculate and extract over 10 million rows of data from the data warehouse.

Education

Tarleton State University
Aug. 2018 to Dec. 2019

B.S. Computer Information Systems 2019
Major GPA: 4.0
Honors: Dean's List 2019 Spring Semester, Dean's List 2019 Fall Semester

Coding Dojo
May 2017 to Aug. 2017

Immersive Software Developer Program 2017
Courses: MySQL, Flask, Ajax, Django, MongoDB, Express, Angular, Node.js, NPM, Socket.IO, Ruby, Rails, RSpec, PostgreSQL
Awards: "Black Belt - Python Stack", "Black Belt - MEAN Stack", "Black Belt - Ruby on Rails"
Black belt Award representing the highest rank for finishing the most technically challenging project.

Tarrant County College
Jan. 2016 to May 2019

A.A.S. Information Technology - Web and Internet Services 2018
Cumulative GPA: 3.49

Skills

Languages/Technologies: Java, C#, Python, Flask, Django, JavaScript, SQL, React.js, Node.js, HTML, CSS, Bootstrap
Tools: Eclipse IDE, Oracle PL/SQL Developer, PostgreSQL, Microsoft SQL, Microsoft Visual Studio Code, Git, Github

Projects

Smart Security Cam
Dec. 2019 to Current

- Implemented a security camera application that detects human faces and compares them to a list of known faces which triggers an email alert to the registered owners when an unknown face is detected.
- Detects faces using a Histogram of Oriented Gradients algorithm to find the part of the image that resembles a generic encoding of a face.
- Utilizes a neural network trained to measure features of the face to generate the measurement of the detected faces and compare them to the measurement of the known faces measured in the past.

Travel Pal
Fall 2018 to Spring 2019

- A web application that allows users to list their upcoming travel plans and other registered users can join trips based on all pre-existing trips.
- Designed MVC pattern enabling trip and user data to be stored persistently in an online database.
- Built a full authentication system for users in order to provide better accountability.