# JONATHAN A. GUEVARRA

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#### **Skills**

- Data Analytics
- Data Visualization
- SQL (SQL Server, MySQL, PostgreSQL)
- Excel (VLookup, Conditional Formatting, Pivot Tables)

- Tableau
- Python (Pandas, NumPy, SciPy, MatPlotLib)
- Microsoft Power BI

# **Projects**

#### Automating Crypto Data Pull using Python - Personal Project

August 2024

- Set up a free CoinMarketCap account and utilized their API to pull real-time cryptocurrency data.
- Saved the API data into a CSV file, then transformed it into a usable format for visualization.
- Created a line graph to analyze and visualize the cryptocurrency with the highest market change over various time frames (1 hour, 24 hours, 7 days, 30 days, 60 days, and 90 days).

## Data Cleaning and Exploratory Data Analysis using Pandas - Personal Project

August 2024

- Cleaned and standardized dataset columns, filtered rows to retain only relevant data, and checked for null values using describe and info methods.
- Utilized Seaborn to create a heatmap for visualizing correlations and grouped data for further analysis.
- Generated a heatmap and line graph to illustrate trends and patterns in the cleaned data.

## Web Scraping Project using Python - Personal Project

August 2024

- Scraped data from Wikipedia on the largest companies in the world by inspecting and extracting table data from the website.
- Converted the extracted table data into HTML format using Python for intermediate processing.
- Collected and stored the data into a new CSV file for further analysis and use.

#### Survey Data Analysis using Microsoft Power BI - Personal Project

August 2024

- Transformed and standardized columns in the survey dataset using Power BI, including splitting columns by delimiter for better usability.
- Created diverse visualizations such as stacked bars, gauges, and donut charts to represent survey insights.
- Developed comprehensive dashboards by combining these visualizations for an interactive and informative data presentation.

# Seattle Airbnb Data Visualization using Tableau - Personal Project

August 2024

- Analyzed nearly 24 million rows from the Seattle Airbnb Open Data dataset, joining data across three sheets in Tableau.
- Cleaned and standardized the data for accurate analysis and visualization.
- Created various visualizations, including maps, bar charts, and line graphs, and combined them into
  interactive dashboards.

#### Bike Sales Analysis using Excel – Personal Project

August 2024

- Cleaned the "bike sales" dataset by removing duplicates and standardizing data and columns.
- Created pivot tables and charts to analyze sales trends and key metrics.
- Developed interactive dashboards with slicers to enhance data exploration and insights.

## Exploratory Data Analysis – Personal Project

August 2024

- Analyzed the "layoff-dataset-2022" from Kaggle using MySQL to uncover trends and patterns in layoff data across industries and regions.
- Created summary tables to visualize layoff distributions, trends, and key statistics.
- Produced detailed tabular reports highlighting insights and correlations from the data.

#### MySQL Data Cleaning Project - Personal Project

August 2024

- Removed duplicate entries, standardized data formats, and addressed null or blank values using MySQL on the Layoffs Dataset 2022.
- Cleaned and streamlined the dataset by removing unnecessary columns and ensuring data consistency.
- Documented the data cleaning process and validated the results to enhance dataset quality and usability.

## **Work Experience**

Student Intern (OJT) December 2023 - April 2024

Laguna State Polytechnic University - San Pablo City Campus

- Developed responsive and visually appealing user interfaces using Next.js, React, and Shadon UI components for a web-based archiving system.
- Assisted in the development and implementation of a web-based archiving system for college-wide use.
- Collaborated with team members to implement responsive and user-friendly interfaces using React components.
- Conducted user acceptance testing and gathered feedback to improve system functionality and usability.
- Implement fixes or workarounds, ensuring thorough testing to validate the resolution.

## **Education**

# **Laguna State Polytechnic University – San Pablo City Campus**

2020-2024

Bachelor of Science in Computer Science Major in Intelligent Systems San Pablo City, Laguna, Philippines

# Certifications

Data Analytics Bootcamp	August 2024
Mikrotik Bootcamp 2024: MTCNA Certification	June 2024
13th EdukCircle International Convention on Engineering and Computer Technology	April 2023
Cisco Networking Academy: Introduction to Cybersecurity	January 2023
Cisco Networking Academy: Cybersecurity Essentials	January 2023
Y4IT 2022 - Youth Congress in Information Technology	November 2022
The Essentials of Machine Learning	February 2021
Youth for Information Technology	December 2020