

# Garland Zhao

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## Education

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### Cal Poly Pomona - BSBA, Computer Information Systems

Jan. 2021 - Dec. 2022

- **Emphasis:** Business Intelligence
- **Courses:** Location Analytics for Business, Digital Analytics, Data Mining, Big Data Analytics, Advanced Data Analytics

### Mt. San Antonio College - AA, Liberal Arts and Sciences

Feb. 2018 - Jun. 2019

- **Emphasis:** Information Technology
- **Courses:** Database Management - SQL Server, Network Vulnerabilities, Windows Operating System, Microcomputer Application, Computer Information Systems

## Skills & Abilities

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- Python (Frameworks: Scikit-Learn, Pandas, Flask), SQL/PostgreSQL, MongoDB, HTML, CSS, Spark/PySpark, Microsoft SQL Server Management Studio, Microsoft Office Suite (Excel, Word, Powerpoint), Power BI, Tableau, ArcGIS, AWS (EMR, Cloud 9, and Athena), Hadoop, Hive, Google Analytics

## Projects

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### De-identification of Sample Medical Records

- Utilized Python and BeautifulSoup to web scrape sample medical records to build a custom dataset
- Analyzed and annotated the sample medical record dataset to identify personal identifiable information based on HIPAA standards
- Trained multiple natural language processing models with varying datasets and parameters to cross analyze their level of performance in the de-identification of personal information

### Tweets Analysis Concerning the Natural Environment

- Utilized Python to extract and store tweets from the Twitter API via Tweepy for the purpose of sentiment analysis using the vaderSentiment library
- Performed further data analysis on the tweets by identifying the polarity distribution, extremity, and word frequency of the dataset using RegEx and the NLTK library
- Discovered that positive tweets focused on action and working together while negative tweets focused on change and perceived weather differences

### Discord Deals Notification Bot

- Created a Discord bot with Python that utilizes the Reddit API to alert users of the best available deals from a particular subreddit
- Designed the bot to be user friendly with simple commands and informational messages
- Connected the Discord notification bot to a database backend, MongoDB, to allow for the storage and retrieval of information for future analysis

### Adidas Sales

- Conducted data analysis on the adidas sales dataset by using SQL to query the dataset
- Constructed a dynamic dashboard on Tableau and Power BI to display essential financial information such as orders, units sold, and total sales for ease of analyzation and visualization

## Work Experience

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### Aceon Bright - Warehouse Associate

Mar. 2018 - Aug. 2018

- Worked collaboratively with other warehouse associates to ensure that orders are fulfilled
- Categorized and cataloged warehouse inventory to verify existing stock levels
- Assisted other warehouse associates with the unloading and unpacking of pallets from delivery trucks
- Stocked received inventory onto warehouse shelves for ease of access