Michael Torres

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SKILLS

- Data Processing
- Data Visualization
- Web Scraping
- Bash Scripting
- Statistical Analysis
- Predictive Modeling
- Hypothesis Testing
- Confidence Intervals
- Data Structures
- Database Management
- Business Intelligence
- Bioinformatics

Programming Languages: Python, SQL, R, C++
Tools: Excel, Tableau, RStudio, Jupyter Notebooks, Markdown, Canva, Adobe Photoshop, Matlab, BigQuery, HTML, Github, Command-Line, Postgres, NCBI, Conda, Virtual Machines
Packages: Tidyverse, Scikit-Learn, Pandas, NumPY, Matplotlib, TensorFlow, PyTorch

EDUCATION

University of Nevada, Las Vegas
B.A. Computer Science
Minors: Biology and Mathematics

Georgia Institute of Technology
M.S. Analytics
In Progress

Western Governors University
B.S. Accounting
In Progress

WORK EXPERIENCE

Safety Coordinator **2018-Present**
In-N-Out

- Implemented a comprehensive weekly reporting system to monitor and maintain various safety elements, ensuring the safety of both employees and customers
- Effectively monitored inventory levels and coordinated deliveries to ensure a steady supply of operating materials, minimizing any disruptions to daily operations
- Identified areas of weakness in operating costs and implemented improvements leading to the achievement of company goals and safety rewards

Research Assistant (Molecular Genetics/Microbiology) **2019-2020**
University of Nevada, Las Vegas

- Developed custom BLAST query scripts which utilized gene alignment analysis of RNA databases (NCBI/GenBank) for the purpose of gene sequence identification
- Utilized the Conda environment to provide quality control checks on raw sequence data with FASTQ
- Applied various techniques including pH testing, staining, lactic acid analysis, and motility testing to accurately identify unknown bacterial samples while maintaining a sterile environment to ensure accurate results

Laboratory Assistant (Microscale Organic Chemistry) **2018**
University of Nevada, Las Vegas

- Identified unknown compounds and analyzed experimental yields using techniques such as nuclear magnetic resonance, mass spectrometry and chromatography
- Focused on data acquisition and analysis to create detailed reports communicating insights and documenting results
- Prepared and disposed of hazardous reagents and waste products, ensuring compliance with safety standards and procedures

PROJECTS

Wine Quality Analysis

- Implemented machine learning techniques such as linear regression with gradient descent and ordinary least squares (OLS), and developed a Multilayer Perceptron (MLP) using scikit-learn to analyze and interpret data regarding wine quality
- Employed analysis methods utilizing test and training data, examining critical components such as fixed acidity, citric acid, residual sugar, pH, and sulphates to accurately predict alcohol content in red wine

Interactive Sales Dashboards

- Designed engaging and interactive sales dashboards, featuring hyperlinks to navigate between different tabs and highlighting key performance indicators (KPIs)
- Produced a range of dynamic charts and visuals, including map charts, radar charts, line charts and doughnut charts to provide critical insights into a company's strategic, financial, and operational performance