

# Michael Torres



MichaelTorresWorkEmail@gmail.com



Las Vegas, NV



(562) 665-2804



linkedin.com/in/michael-torres-46149b238/



github.com/Michael96Torres

## SKILLS

- Statistical Analysis
- Predictive Modeling
- Hypothesis Testing
- Confidence Intervals
- Data Processing
- Data Visualization
- Web Scraping
- Bash Scripting
- 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**

**2023**

Computer Science

Minors: Biology and Mathematics

## 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 Dashboard**

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