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| ***J. Mat Kuitche*** | 4246 E Cotton Court, Gilbert, AZ 85234  **Email**: kuitche@gmail.com **| Phone**: 480-406-9373 |

**Education**

* Financial technology (Fintech) BootCamp Hands-on learning of financial theory and the technical skills, Arizona State University, Feb-Aug 2023
* Industrial Engineering, Arizona State University

Quality and Reliability Engineering. GPA: 3.94/4.0

**Computer Skills**

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| **Programming & Scripting Languages**: Unix shell scripting, awk, Perl, Python, R, SQL, C/C++, Ruby, Java |
| **Web Technologies**: HTML5, CSS, JavaScript, DOM, jQuery, PHP, JSP, Django |
| **Databases**: Oracle, MySQL, MongoDB |
| **Operating Systems**: Windows, Unix/Linux |
| **Key Concepts**: Data Structures, SDLC, Agile methods, UML |

**Professional Experience**

**Performance Data Analyst,** SolarPTL, Tempe – Arizona, 2019 – present

* Database development and maintenance
* Web-based application development
* Data analytics and statistical modeling

**Service Delivery Specialist**, InfoArmor, Scottsdale - Arizona, 2017 - 2020

* Develop automation scripts and build efficiency reports in Linux shell environment using advanced scripting (bash scrips, awk, sed, Perl, and Python)
* Manage Delivery of PGP/GPG encrypted enrollment files on daily basis
* Manage the relationship between various support teams, both internally and externally, to ensure integrity of data
* Perform data analysis (Using R and Python) to extract information from processing data and assist development team in service delivery enhancements
* Work with Security/IT team on integrations projects

**Applied Projects**

**Perform Quantitative Analysis on Portfolio Evaluation**

* performance analysis of stock market
* Risk Analysis, Rolling statistics, and Sharpe Ratio

**Financial Analysis Tools**

* Create financial planner for emergencies: Evaluate the Cryptocurrency Wallet by Using the Requests Library, Evaluate the Stock and Bond Holdings by Using the Alpaca SDK, and Evaluate the Emergency Fund
* Create financial planner for retirement: Use Monte Carlo simulations to forecast the portfolio performance 30 years from now

**Analysis of the housing rental market data**

* Use of data visualization skills, including aggregation, interactive visualizations, and geospatial analysis, to find properties in the San Francisco market that are viable investment opportunities.

**Use of SQL skills to analyze historical credit card transactions and consumption patterns in order to identify possible fraudulent transactions.**

* Data Modeling: Define a database model to store the credit card transactions data and create a new PostgreSQL database using the model.
* Data Engineering: Create a database schema on PostgreSQL and populate the database from the CSV files
* Data Analysis: Analyze the data to identify possible fraudulent transactions trends data, and develop a report

**Unsupervised Machine Learning**

* Cryptocurrencies Clustering with K-means
* Optimize the Clusters with Principal Component Analysis (PCA)
* Visualization

**Time Series Models**

* Find unusual patterns in hourly Google Search traffic.
* Mine the search traffic data for seasonality
* Relate the search traffic to stock price patterns
* Create a time series model by using Prophet.
* Forecast the revenue by using time series models

**Supervised Machine Learning**

* Split the Data into Training and Testing Sets
* Create a Logistic Regression Model with the Original Data
* Predict a Logistic Regression Model with Resampled Training Data
* Credit Risk Analysis Report

**Binary Classification Model using a Deep Neural Networks**

* Preprocess data for a neural network model
* Use the model-fit-predict pattern to compile and evaluate a binary classification model with TensoFlow and Keras
* Model optimization