Reid Case

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EDUCATION

Master of Science in Computer Science December 2020
DePaul University

Bachelor of Science in Applied Computing, Systems & Technology December 2010
Minor in Small Business Development
Tulane University

SKILLS

Languages: Python, SQL, R, Java, C/C++ and JavaScript.

Tools and Technologies: Microsoft SQL Server, Postgres, Hadoop, Hive, MapReduce, Scikit Learn, Tensorflow, Keras, Matplotlib, Plotly, Amazon Web Services, Azure, Kafka, Heroku, Jupyter Notebooks, Git, Linux, MongoDB, SQLAlchemy, Flask, Alembic and Node.js

EXPERIENCE

Programmer Analyst, SkyOne Federal Credit Union April 2018-Present
Hawthorne, CA

- Implemented data warehouse with Microsoft SQL Server by working between vendors and internal stakeholders, performing configuration, UAT, and providing operations, maintenance and training plans
- Modeled meta-data to address CCPA requirements and enhance data warehousing initiatives as a part of the Data Governance team
- Employed QuickTap Survey's REST API, the MEAN stack and Plotly to create internal dashboards for staff to track progress towards goals of reaching $1 billion in assets and 60,000 members

IT Support Programmer, RiverLand Federal Credit Union March 2012-July 2017
New Orleans, LA

- Upgraded data analytics infrastructure using Microsoft SQL Server Suite to reduce reliance on operational databases for improved financial projections and management insights that contributed to 5 year growth from $189 million to $232 million in assets
- Established data pipelines for the implementation of a decision system that managed overdraft limits resulting in an $30,000 to $50,000 in monthly fee revenue
- Developed and implemented stratification system used to manage remote check deposit limits resulting in reduced risk and exposure for honoring checks deposited through mobile application

PROJECTS

Boston Crime Data Regression Analysis November 2019
DePaul

- Contributed regression models to group project analyzing station distance from reported crime location against multiple physical and environmental explanatory variables
- Conducted exploratory analysis, data cleaning, preprocessing and residual analysis of resultant models in R
- Worked with group members to assess and interpret all model results for resulting paper

Analysis of Cycling Performance Data June 2019
DePaul

- Predicted heart rate response and power measures from various bicycling performance data collected from cyclists
- Collected, cleaned and preprocessed data, including imputation, unit conversion, and anomaly correction using AWS SageMaker and Python packages Numpy, Pandas, multiprocessing, and Scikit Learn
- Employed a concurrent evolutionary algorithm using multiprocessing in Python to tune parameters for predictive models