Daniel Kim

San Jose, CA

Email: jobsfordaniel11@gmail.com
LinkedIn: linkedin.com/in/danielkims
GitHub: github.com/danielkimgithub

Skills

- Proficient in Excel, Python (NumPy, matplotlib, sklearn), R, and SQL for statistical modeling and machine learning
- Expertise in developing supervised and unsupervised machine learning algorithms and predictive models
- Effective cross-functional team communicator, clearly explaining data modeling outcomes to non-technical teams

Work Experience

Higher Ground Youth & Family Services - Anaheim, CA

Data Engineer/Analyst   **Nov. 2024 – current**

- Led the implementation of standardized data workflows and SOPs, collaborating with cross-functional teams to eliminate redundancies and bottlenecks
- Performed EDA on a social determinants dataset with over 4,000 records using Power Query and Excel, highlighting organizational impact on clients and community
- Developed interactive dashboards using tools like PowerBI, Excel, and matplotlib to visualize and report KPIs across five departments
- Designed and implemented streamlined data collection and preprocessing systems, reducing data errors by 30% and improving processing efficiency by 40%

Omega Accounting Solutions - Irvine, CA

Senior Analyst   **Dec. 2022 – Feb. 2024**

- Managed 25 projects in a high-paced environment, ensuring timely delivery and stakeholder satisfaction
- Authored robust technical reports and client-facing deliverables, articulating data-driven positions with clarity and accuracy in substantiating over $5M in business incentive claims
- Analyzed large volumes of confidential client data (ranging from $1M to $10M in revenue), applying statistical rigor and documentation best practices to ensure integrity and compliance

  Associate Analyst   **June 2022 – Nov. 2022**

  - Conducted detailed analyses of financial and technical data across industries, interpreting complex and diverse datasets and extract actionable insights

  Junior Analyst   **Feb. 2022 – May 2022**

  - Collaborated with cross-functional teams and stakeholders to review business processes and translate qualitative interviews into quantitative performance assessments

Projects

Machine Learning (ML) Model Development for Spam Email Detection   **Mar. 2025**

- Applied TF-IDF on text data to transform into numerical vector space to improve ML model performance
- Built an end-to-end machine learning pipeline to classify spam emails using historical Enron email dataset
- Tested and evaluated classification models (Logistic Regression, Naïve Bayes), achieving approximately 97% accuracy, F1 score, and recall on test data

English Premier League (EPL) Leicester City Unprecedented 2016 Season   **May 2024**

- Utilized Python and sqllite3 to load, pre-process, and transform team and individual performance dataset and analyze Leicester City's title-winning season and determine factors for their success
- Applied matplotlib library to provide visualization of research findings for improved interpretation and trend analysis

Education

Master of Science: Data Science, Concentration in Computational Methods

DePaul University – Chicago, IL

- Honors: Projected to graduate with distinction, Upsilon Pi Epsilon (UPE) Honor Society
- Relevant Coursework: Programming ML Apps, Mining Big Data, DB Processing for Large-Scale Analytics

Bachelor of Arts: Economics and Mathematics

Whitman College – Walla Walla, WA