Jonathan Papir

papir805@gmail.com | Portfolio | GitHub | LinkedIn | San Jose, CA

SUMMARY

Data analyst, mathematician, and teacher who can communicate complex ideas to technical and non-technical audiences alike. Highly motivated to move into a full-time data analyst role where I can leverage my strong analytical and coding skills. Please look at my portfolio to see my capabilities.

SELECTED DATA PROJECTS

Mobile Gaming Data Analysis [full project 🖇]

- Cleaned, queried, and visualized gaming data using PostgreSQL and Python to understand user performance and build profiles. Performed hypothesis testing to identify which user profiles correlated with higher scores

Reddit Accounting Exploratory Data Analysis [full project 🖇]

- Cleaned and visualized survey data from Reddit using Python & Tableau to explore relationships between salary and other factors; built regression models to quantify relationships between key factors

CraigsList Web Scraper [full project 🖇]

- Built a Python tool to scrape CL postings and store in PostgreSQL to curate a dataset on competing math tutoring prices; used Tableau to compare and analyze prices across geographic segments

Television Ad Campaign Report [full project 🖇]

- Wrote a Python script that cleans data, performs joins, and calculates important metrics, then generates and exports 3 summary reports as PDFs that provide guidance on where ad spend should be increased or decreased

Scholarly Article Analysis [full project 🖇]

- Performed A/B testing, confidence interval analysis, and linear regression modeling using data from a scholarly article to understand acupuncture treatments and their effects on hypertension

Pokémon Legendary K-Nearest Neighbor & Logistic Classifiers [full project 🖇]

- Built and trained models using game data that can predict if a Pokémon is legendary with 92-94% accuracy

R To Python [full project 🖇]

- Ported R code to Python from recently released chapters of the textbook *Introduction to Statistical Learning*

PROFESSIONAL EXPERIENCE

Fusion Academy   **Los Gatos, CA**
Math Teacher   *September 2016 - Present*

- Instruct students in a 1-on-1 learning environment focusing on developing strong quantitative analysis skills
- Teach statistics, calculus, Python, trigonometry, and advanced algebra to students across all levels of familiarity
- Have been praised in every yearly review as having excellent (highest rating given) content knowledge
- Recognized in over 90% of quarterly reviews for explaining high-level concepts in ways that are easy to digest

Underground Communications   **San Jose, CA**
Reporting Analyst   *September 2011 - September 2016*

- Wrote 100s of reports in Excel summarizing property damage in over 30 regions for distribution
- Maintained the lowest error rate among all ten employees in the company
- Regularly completed ad hoc reporting requests for clients using a variety of public & private databases
- Wrote script to restart listening stations automatically, reducing rate of missed leads by 10%+ per month

EDUCATION

San Jose State University   **San Jose, CA**
Bachelor of Science, Business Administration - International Business   *2011*

SKILLS, CERTIFICATIONS & MISCELLANEOUS

Skills: Python, SQL, R, Tableau, Excel, Google Cloud Platform, Airflow, Google BigQuery, Docker, Git

Certifications & Classes: Python Basic: HackerRank (2022), SQL Intermediate: HackerRank (2022), MySQL Bootcamp: Udemy (2021), Data Science: San Jose City College (2020), Programming In Python: Evergreen Valley College (2020), Computational Thinking & Data Science: edX (2020), Computer Science & Programming Using Python: edX (2020), Python For Data Analysis & Visualization: Udemy (2020)

Fun Fact: Led competitive Counter-Strike team in high school and won CA Amateur League Pro Division