Jonathan Papir

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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, stored, and queried gaming data using PostgreSQL and Python to understand user performance. Performed hypothesis testing to check for correlation between user attributes and performance.

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 delivering high-level lessons that are concise and 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