Jonathan Papir

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SUMMARY

Data analyst and mathematician 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 | *Python, PostgreSQL* | [full project 🔗]
- Identified the two user attributes correlated most strongly with higher game scores through A/B testing and regression analysis by cleaning, querying, and visualizing 35k+ rows of data

Hourly Rate Analysis of Competing Math Tutors | *Python, PostgreSQL, Tableau* | [full project 🔗]
- Realized a 25% increase in hourly rates by building a web scraper to curate a dataset on tutoring prices from over 1,000 Craigslist postings and then visualizing the competition segmented by region, state, and city

Television Ad Campaign Report | *Python* | [full project 🔗]
- Authored a presentation recommending three channels where ad spend should be focused and five channels that should be cut based on calculating metrics such as cost per visitor, cost per acquisition, and conversion rate

Reddit Accounting Exploratory Data Analysis | *Python, Tableau* | [full project 🔗]
- Investigated the optimal career path for a new accountant by constructing regression models to quantify relationships between salary, starting industry, possession of a CPA license, and other key factors

Data Sheet Question Answering (QA) Tool | *Python* | [full project 🔗]
- Constructed a data pipeline and QA tool that increases productivity by harnessing the power of large language models to quickly answer domain-specific questions while citing official documentation as source material

Scholarly Article Analysis | *Python* | [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 | *Python* | [full project 🔗]
- Built models achieving 92-94% accuracy in predicting legendary status by utilizing over- and under-sampling techniques for large class imbalances and feature engineering to consolidate stats into a single meaningful input

R To Python | *Python, R* | [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, trigonometry, and advanced algebra to students across all levels of familiarity
- Authored 100+ presentations and supplemental materials designed to communicate specific messages or ideas
- Collaborated with members of the math department to create over 50 new tests, study guides, and answer keys
- 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 and distributed hundreds of reports in Excel summarizing property damage in over 30 service regions
- 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

EDUCATION

San Jose State University **San Jose, CA**

Bachelor of Science, Business Administration - International Business *2011*

SKILLS & MISCELLANEOUS

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

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