

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 which user attributes correlated most strongly with higher game scores as measured through A/B testing and regression analysis by cleaning, querying, and visualizing mobile gaming data

Hourly Rate Analysis of Competing Math Tutors | *Python, PostgreSQL, Tableau* | [[full project](#)]

- Realized a 25% increase in hourly rates with no loss in customer demand by building a web scraper to curate a dataset on math tutoring prices from Craigslist and analyzing the competition

Television Ad Campaign Report | *Python* | [[full project](#)]

- Authored a presentation recommending where future ad spend should be focused based on calculating cost per visitor, cost per acquisition, and conversion rate from the campaign's spend, lift, and purchase data

Reddit Accounting Exploratory Data Analysis | *Python, Tableau* | [[full project](#)]

- Investigated the optimal career path for a new accountant by constructing regression models quantifying relationships between salary and other important factors determined through exploratory analysis

Data Sheet Question Answering (QA) Tool | *Python* | [[full project](#)]

- Constructed a QA tool that increases employee productivity by harnessing the power of large language models to quickly answer domain-specific questions 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 that achieved 92-94% predictive accuracy on testing data from newer generation Pokémon games

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

Math Teacher

Los Gatos, CA

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

Reporting Analyst

San Jose, CA

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

Bachelor of Science, Business Administration - International Business

San Jose, CA

2011

SKILLS, CERTIFICATIONS & MISCELLANEOUS

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

Certifications & Classes: Tableau A-Z: Udemy (2022), MySQL Bootcamp: Udemy (2021), Data Science: San Jose City College (2020), Python Programming: 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