

# Jonathan Papir

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

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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.

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## 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 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 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*

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## 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

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**San Jose State University**

*Bachelor of Science, Business Administration - International Business*

**San Jose, CA**

*2011*

## SKILLS, CERTIFICATIONS & MISCELLANEOUS

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**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