Jonathan Papir

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SUMMARY

Graduate student and former reporting analyst and math teacher with 2-4 years of experience using SQL, Python, R, Tableau, and Excel to analyze and visualize data and eight years of communicating complex ideas to technical and non-technical audiences. Skilled in developing stakeholder partnerships, translating business requirements into novel solutions, and storytelling to present actionable insights. Enrolled in a rigorous master's program in analytics to sharpen existing and learn new analytical and technical skills. Eager to leverage these talents and a unique teaching background in a data analytics role.

SKILLS

Languages: SQL (4 years): PostgreSQL, BigQuery; Python (4 years): Pandas, NumPy, Matplotlib, Scikit-Learn; R (2 years)
Tools: Microsoft Excel (4 years); Tableau (2 years); Salesforce; Jupyter Notebook; Git; Google Cloud Platform
Machine Learning: Regression; K-Nearest Neighbors; Classification and Regression Trees; K-Means Clustering
Other: Written and Oral Communication; Teaching; Exploratory Data Analysis; Data Cleaning; Data Visualization; Reporting

PROJECTS

- **E-Commerce Sales Analysis** | [full report / Tableau]: Loaded 108k transactions into Google BigQuery to analyze sales trends. Used Excel, SQL, and Tableau to identify two products with refund rates twice the 5% average and premium customer orders are ~$30 more. Proposed changes to increase premium enrollment to stakeholders.
- **Health Insurance Marketing Analysis** | [full report / Tableau]: Built two Tableau dashboards for stakeholders to monitor the click-through rate, cost per click, and other metrics of 12 health insurance ad campaigns. Wrote SQL queries analyzing ~17k and ~50k subsequent signups and patient claims to offer advice for future campaign budgets.
- **User Behavior Analysis** | [full report]: Utilized PostgreSQL to clean a year of gaming data and Python (Pandas/NumPy/Matplotlib) for regional/seasonal analysis. Found Mexico comprises 78% of activity from 22% of users, and activity peaks at different times by season. Provided stakeholders with ad timing and demographic targeting advice.
- **Generative AI Whitepaper Search Tool** | [Medium article]: Constructed and deployed an automated tool using Streamlit, Python, Langchain, and ChatGPT that searches the web for whitepapers, identifies and preprocesses the ten most relevant results, and returns answers to technical product questions along with source materials for reference.

EXPERIENCE

Fusion Academy   Los Gatos, CA
Mathematics Teacher   *September 2016 – August 2024*
- Authored and delivered thousands of presentations tailored to diverse audiences and mentored five colleagues on presentation best practices for achieving maximum impact.
- Leveraged Salesforce data to lead quarterly inter-department meetings that established alignment across teaching teams and communicated student goal progress, resulting in over 67% goal attainment for 2-3 students annually.
- Fixed curriculum inefficiencies by creating 80+ new class materials that cut instructional time by ~30% for two courses.
- Pioneered a flexible instructional system designed to accommodate last minute student requests to attend classes online when unable to attend in person, which reduced absences by 60% after being implemented by the math department.

Underground Communication (UGC)   San Jose, CA
Reporting Analyst   *September 2011 - September 2016*
- Collaborated with the CEO to refine reports on response times and informational lead KPIs to benchmark service against competitors and inform market expansion decisions, contributing to 200% growth over five years.
- Developed two recurring Excel reports detailing the distribution of lead types across 30+ service regions and distributed them on a weekly and monthly basis to aid UGC's clients optimize their resource allocation.
- Fulfilled ad hoc requests from the sales team for informational leads segmented by type of damage, property value, geography, time of day, and other factors, leading to dozens of new client contracts.

EDUCATION

Georgia Institute of Technology
Master of Science, Analytics – Computational Data Analytics   *Expected June 2026*

San Jose State University
Bachelor of Science, Business Administration – International Business