

## SUMMARY

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Data Analyst with a background in Applied Mathematics and expertise in SQL, Python, Tableau, and Power BI, skilled at transforming complex data into actionable insights. Proven ability to create impactful dashboards and partner with cross-functional teams to drive strategic business decisions.

## SKILLS

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- SQL (SSMS SQL Server, MySQL)
- Python (Pandas, NumPy, SciPy, Matplotlib, Seaborn, Jupyter Notebooks, BeautifulSoup)
- Excel (VLookup, Conditional Formatting, Pivot Tables)
- Microsoft Power BI, Tableau

## PROJECTS

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### Data Cleaning in SQL

September 2024

- Cleaned and standardized housing data by using **SQL functions** and **windowing**
- Delivered a consistent, analytics-ready dataset that improved pricing analysis, vacancy reporting, and owner outreach
- Reduced manual data correction and improved BI reliability, enabling faster housing operation decisions and pricing strategy

### Data Exploration in SQL & Dashboard in Tableau

November 2024

- Cleaned and analyzed global COVID-19 data in **SQL**, creating metrics such as case growth rates, per-capita comparisons, and vaccination progress
- Built an interactive **Tableau dashboard** with maps and time-series visualization to make complex trends accessible to non-technical stakeholders
- Supported public health decisions by highlighting hotspots, benchmarks, and intervention impacts

### Movie Correlation in Python

February 2025

- Analyzed movie data in **Python** to uncover correlations between budget, revenue, ratings and runtime
- Applied statistical analysis and visualization to identify key drivers of box office performance, supporting smarter investment
- Provided actionable insights into profitability, showing how resource allocation and production choices directly influence financial outcomes

### Power BI Data Professional Survey Breakdown

April 2025

- Cleaned, transformed, and modeled raw survey data from 660+ data professionals across roles in **Power Query**
- Developed **DAX** measures and interactive visuals to highlight salary, regional, and role trends
- Delivered actionable insights to guide talent strategy, benchmarking, and industry positioning for data professionals

## WORK EXPERIENCE

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### Architectural Drafter | JoeArchitect—Somerville, MA

June 2019 – August 2019

- Interpreted architectural data and technical plans, sharpening precision, spatial analysis, and structured problem-solving skills
- Partnered with architects and engineers to align project deliverables, enhancing collaboration and cross-functional communication

### Tax Accountant | Reliable Tax Service—Quincy, MA

June 2018 – August 2018

- Analyzed financial data and tax documents with precision, applying pattern recognition and validation techniques to ensure compliance.
- Built automated reports in Excel (**VLOOKUP**, **PivotTables**) to calculate and present complex data with accuracy
- Simplified intricate financial data into clear, actionable insights for clients, improving decision-making

### Operation Assistant | Boston Skywalk Observatory—Boston, MA

June 2016 – May 2018

- Managed visitor flow and daily operations such as tracking attendance, sales, and scheduling to ensure smooth daily operations
- Addressed logistical and customer issues quickly and efficiently to enhance guest experience

## EDUCATION

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Bachelor of Applied Science- University of Massachusetts Amherst – Amherst, MA

June 2016 – May 2020

Majors: Applied Mathematics (Scientific Computing, Statistics, Probability)