

## 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 transformed housing datasets in **SQL Server**, improving data integrity and efficiency for future analysis
- Resolved missing values with **ISNULL()** and **JOIN** techniques and removed duplicates with CTEs to ensure accurate reporting
- Normalized unstructured fields using **SUBSTRING()** and **CHARINDEX()** to enhance dataset usability for downstream analytics

### Data Exploration in SQL & Dashboard in Tableau

November 2024

- Analyzed global and regional COVID-19 data with SQL **Joins**, **CTEs**, and **Window Functions** to uncover infection, death, and vaccination trends
- Built an interactive Tableau dashboard to visualize time-series and geographic trends
- Ensured reliable and accurate reporting through **CAST()**, **CONVERT()** functions and **TEMP** Tables

### Movie Correlation in Python

February 2025

- Cleaned and prepared large scale movie datasets with **PANDAS**, ensuring accuracy for correlation analysis
- Conducted **EXPLORATORY DATA ANALYSIS** to identify revenue drivers such as budget and audience ratings
- Visualized Correlations with **MATPLOTLIB** and **SEABORN** heatmaps and scatterplots to highlight actionable patterns

### Power BI Data Professional Survey Breakdown

April 2025

- Designed an interactive Power BI dashboard analyzing survey responses from 660+ data professionals across roles
- Leveraged **POWER QUERY**, **DAX**, and advanced data modeling to clean, transform, and structure raw survey data for reporting
- Delivered actionable insights into industry career trends, showcasing data storytelling and visualization expertise

## 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)