**Jiawen Zhu**

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SUMMARY

Bilingual U.S. citizen Looking for a challenging position as web developer or data engineer, where I can leverage my technical and analytical skills to provide meaningful insights for business decisions.

Tech SKILLS: **HTML/CSS, JavaScript, SQL**, **R**, **Python**, **Jupiter notebook**, VScode, GitHub/Gitlab, Google Big query, Azure, Tableau, MongoDB, Microsoft basic SSIS, **Kimball data modeling (Modern data modeling techniques), Snowflake, DBT**

**Relevant project:   
1)** [**https://github.com/JiawenZhu/ETL\_in\_python**](https://github.com/JiawenZhu/ETL_in_python)

**2)** [**https://github.com/orgs/dbt-snowflake-u/repositories**](https://github.com/orgs/dbt-snowflake-u/repositories) **3)** [**profile web site**](https://jiawenzhu.github.io/profile/)

**RELEVANT WORK EXPERIENCE**

Web Developer (Human kinetics-Champaign, IL) 01/2019 – 06/2021

* **Proficient in SQL**: Experienced in writing and **optimizing SQL queries** to enhance query efficiency and extract valuable insights from databases.
* Strong understanding of accessible and responsive web design principles, with a focus on creating digital environments that provide optimal user experience across various devices and platforms.
* Web Development Experience: Strong background in web development using **HTML, CSS, and JavaScript**. Able to leverage this knowledge to create interactive data visualizations and develop user-friendly dashboards for data analysis.

Teaching Assistant (San Francisco State University, CA) 09/2017-01/2018

* Maintain professional and collaborative attitude when working with my professor and peers.
* Leveraging my knowledge of object-oriented design to provide guidance and support, while also encouraging students to think critically and develop their problem-solving skills

Airbnb Rental Business Owner 12/2022 -Present

* Data-Driven Decision Making: Employ data analysis techniques to inform decisions on house improvements, resulting in a 20% increase in guest satisfaction ratings. Utilize targeted strategies to maximize Airbnb rental revenue, evidenced by a 15% rise in booking rates and a 25% increase in average rental income within the first six months of implementation.
* Market Analysis: Conduct comprehensive market analysis using data sources and tools to identify trends, demand patterns, and competitive landscapes in the vacation rental industry. Leverage this analysis to make strategic pricing and marketing decisions.
* Customer Insights: Analyze guest reviews, feedback, and demographic data to gain insights into customer preferences, satisfaction levels, and areas for improvement. Apply these insights to enhance the guest experience and drive positive reviews and repeat bookings. In many cases, the return customer will increase by 15-20% by applying data data-driven method.

Data Analysis Tools: Proficient in using data analysis tools, such as Excel or Google Sheets, to clean, analyze, and visualize data. Comfortable working with large datasets and using statistical techniques to uncover actionable insights.

EDUCATION

Master’s degree in data science at University of Illinois Springfield: GPA 3.5 2022-2024

Bachelor's degree in computer science San Francisco State University- San Francisco, CA: GPA 3.2             2014-2018    
 Certification: [Google Data Analyst Professional Certification](https://coursera.org/share/0c957bb0aa104c5ebc757c0112949fe9)                                                       Earned on 3/2023

[Extract,Transform,and Load](https://www.coursera.org/account/accomplishments/verify/Q8HJKLA9RCT7) Earned on 4/2023  
[Data Model and Pipelines](https://coursera.org/share/a8401b268f791b8aeac7f129c474a30b)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Earned on 5/2023