

# Weilin Cheng

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## SKILLS

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**Technical:** SQL, Python (Pandas, NumPy, Selenium), R, Excel (PivotTables, VLOOKUP Macros, XLOOKUP), Power BI, Tableau, Domo, BigQuery  
**Analytics:** Forecasting, Budgeting, Cost Analytics, Data Modeling, KPI Dashboards  
**Soft Skills:** Cross-functional collaboration, written communication, initiative-driven, adaptability  
**Language:** English (fluent), Mandarin (native)

## WORK EXPERIENCE

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### Data Specialist | Union Elite Group | Oklahoma City, OK

03/2024 - Present

- Developed automated web scraping with **Selenium** and **Python**, boosting data collection from weekly to daily, enhancing work efficiency by **64%**
- Developed and automated advanced data pipelines utilizing **API** integrations to seamlessly extract and transform customer data, achieving a **56% reduction** in data processing time
- Built a client information search system using **Excel Macros** and **VLOOKUP** to retrieve data across multiple sheets, increasing lookup efficiency by **24%**

### Data/AI Engineer Apprentice | BCAMP | Remote, USA

04/2024 - 05/2024

- Engaged in regular **cross-functional team meetings** to align on project goals, share progress updates, and troubleshoot issues collaboratively
- Designed and implemented interactive dashboards in **Power BI** and **Domo** to track client status, employee efficiency, and scheduling, improving decision-making speed by 32%
- Designed and implemented efficient **ETL pipelines** using BigQuery and Domo, enabling timely transformation and consolidation of diverse datasets to support equity-focused reporting

### Data Specialist Intern | Top Elite Associates LLC | Oklahoma City, OK

01/2024 - 02/2024

- Conducted data sorting, grouping, manipulation, aggregation, table joins, unions, and subqueries in excel, resulting in a **24% increase** in efficiency for extracting and classifying useful data
- Created and updated spreadsheets using **Excel** to support administrative tracking and internal operations

## PROJECTS

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### 2022-2023 H5N1 bird flu pandemic ( IASC Data Analysis Competition 2023)

01/2023 - 03/2023

- Analyzed past outbreaks of avian influenza through **R** and used mathematical and statistical methods to predict future outbreaks in different regions of the country
- Visualized the new cases of the H5N1 in a map form monthly, observing a fluctuation of new cases in April, May, and from August to the end of the year 2022

### California 2022 Proposition 30 (Tax Millionaires for Electric Vehicle Programs)

09/2022 - 12/2022

- Worked with a five-person team using **R** to perform cohort analysis on the Emission FACTor data that shows gasoline emits much more greenhouse gas emissions than other types of emissions.
- Applied the permutation of Kendall's Tau to deal with small sample size data, giving a conclusion that there is a positive correlation between the CO2 emitted by wildfire and funds for wildfire prevention in California

## EDUCATION

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### University of California, Davis

09/2021 - 06/2023

Bachelor of Science in Statistics: Statistical Data Science

GPA: 3.8/4.00 Concentration in Data Analysis and statistical computation

### City College of San Francisco

01/2018 - 07/2021

Associate of Science in Mathematics

GPA: 3.89/4.00

## HONOR/ AWARDS

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Second Place IASC 2023 , Dean's Honors List for Spring Quarter 2023