

# HUI WANG

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Entry-Level Data Analyst | Python, SQL, Tableau | Statistical Modeling & NLP | CPT/OPT Eligible

## SUMMARY

Data analyst with a strong foundation in statistical modeling, text mining (TF-IDF), and clustering. Proficient in Python (pandas, matplotlib), SQL, R, and Tableau. Experienced in analyzing large datasets and developing insightful dashboards and lightweight predictive models. Eager to apply data science techniques to solve real-world problems in cross-functional teams.

## TECHNICAL SKILLS

- Languages & Tools: Python (pandas, matplotlib, scikit-learn), SQL, R, Tableau, Excel, Power BI, Git
- Methods: Statistical Modeling, Regression, Clustering (K-Means), TF-IDF, A/B Testing, Time-Series Analysis, NLP (tokenization, keyword extraction), Dashboard Design
- Specialties: Job market text analysis, User segmentation, Predictive analytics, Data storytelling

## EDUCATION

University of Utah — BS in Mathematics (Statistics Emphasis), Expected Spring 2026

## CERTIFICATIONS

Google Data Analytics (Foundational & Advanced), Tableau Desktop Specialist, DataCamp SQL Associate

## EXPERIENCE

### Legal & Data Research Intern, Canyon Guard (Sep–Dec 2024)

- Modeled transportation funding and allocation data to explain a 30% budget variance
- designed reproducible data cleaning pipelines in SQL and R.

### Summer Research Assistant, Carnegie Mellon University (Aug 2021)

- Preprocessed data for ML models in gesture recognition study; contributed to accuracy improvements.
- Co-authored a research publication and presented data insights to interdisciplinary teams.

## SELECTED PROJECTS

(View code & dashboards: [github.com/HazelnutHui](https://github.com/HazelnutHui))

### Shared Mobility Usage Analysis (Google Capstone)

- Analyzed e-moped usage with SQL and R; segmented users via K-Means and visualized patterns in Tableau.
- Recommended fleet rebalancing and targeted marketing based on behavior insights.

### U.S. Data Analyst Job Market Insights (Advanced Capstone)

- Extracted key job skills using TF-IDF from 2,800+ LinkedIn postings; visualized results with ggplot2 and wordcloud2.
- Conducted time-series analysis and proposed training alignment based on demand trends.

## ADDITIONAL

Languages: English (Fluent), Mandarin (Native)

Work Authorization: F-1 Visa with CPT/OPT eligibility (STEM major)