Yunyi (Iris) Ding

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Education Background

University of Washington, Seattle	Expected March 2024

Bachelor of Science in Informatics: Data Science & Human-Computer Interaction   **GPA** 3.91/4.0

University of Washington **Dean's List** 2020-2022

Professional Experiences

Data Science Consultant Intern, Capgemini| Shanghai, China   July 2023 – Sep 2023

- Crafted Python scripts to automate data scraping from 10 leading car review websites, channeling the data into MongoDB and bolstering the dataset by 150%.
- Employed NER & sentiment analysis models to pinpoint stakeholder discontent regarding auto parts in 50k+ comments, achieving an 88% prediction accuracy.
- Analyzed the accumulated data to identify quality issues and sentiment patterns, then visualized insights in Power BI, emphasizing areas crucial for design refinement.

IT Assistant, Sidewalk | Olympia, Washington   Nov 2022 – Jun 2023

- Engineered a database system using Caspio and Casebook, improving service delivery speed by 25% and responsiveness in handling landlord and volunteer related data.
- Processed 8,000+ landlord records using Pandas in Python, achieving 99% accuracy and enhancing data accessibility.
- Introduced team sync-ups and a ticketing system, reducing technical issue resolution time by 40%.
- Led web application development initiatives, using HTML, CSS, and JavaScript, optimizing site functionality and engagement.

Technical & Research Projects

iAdiós COVID, Research Assistant   Jan 2023 – April 2023

- Designed a data pipeline to transform diverse unstructured data, using Entity-Relationship (ER) diagrams, into streamlined relational structures for efficient analysis.
- Collaborated with volunteers to gather, validate, and process qualitative and quantitative data from surveys, interviews, and web sources, then stored the refined data on AWS S3.
- Analyzed collected data to uncover vaccination patterns within the Latino community, delivering pivotal insights that informed and shaped project strategies.

Dvogue Website, Frontend Developer   May 2022 – Aug 2022

- Led the development of a responsive clothing recommendation web application using React.js, which matches, searches, saves, and recommends outfits based on user preferences.
- Performed usability testing and addressed critical bugs, achieving a 30% reduction in user-reported issues.
- Conducted user research, integrating feedback into the design and leading to a 25% increase in user satisfaction with the recommendation system.
- Implemented state management practices to manage user input and to ensure efficient rendering and data consistency.

COVID-19 Vaccinations, case, death worldwide analysis, Analyst   March 2022 – May 2022

- Utilized key Python libraries, including Pandas, Matplotlib, Plotly, Scipy, and Math, to extract insights and create interactive and insightful visualizations, enriching the understanding of the global impact of the pandemic.
- Published results through an interactive web page, developed using the Shiny framework in R, ensuring broad accessibility and user-friendliness.

Skills

Programming Languages:	Python	Java	HTML	CSS	R	SQL	JavaScript
Data Visualization:	Tableau	PowerBI	Apache Superset
Frameworks/Apps:	Firebase	MySQL	MongoDB	React	Git	Figma	Azure	AWS