

Liz Wang

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EDUCATION AND HONORS

University of Southern California, Viterbi School of Engineering & Dornsife College
Bachelor in Data Science, Applied Mathematics (AMCM) Los Angeles, CA
Aug 2019 - May 2023

- Cumulative GPA: 3.73, Dean's List, Academic Achievement Award
- Relevant Coursework: Programming in Python, Object-Oriented Programming in Java, Data Science, Data Management, Probability Theory, Linear Algebra, Data Visualization, User Interface/Experience Design

Peking University, Guanghua School of Management
DBIC Exchange Scholar Program Beijing, China
Feb 2021 - July 2021

- 1% admission rate from top 50 U.S. universities
- Relevant Coursework: Business Analytics & Quantitative Investment, Consumer Behavior

SKILLS

- **Programming Languages**: Python, Java, JavaScript, HTML, CSS, LaTeX
- **Big Data & Machine Learning**: Python (eg. scikit-learn, NumPy, pandas, matplotlib, MATLAB, Statsmodels), basic machine learning (linear regression, classification), BI tools (Tableau, Sisense, QlikView, Powerbi)
- **Data Science**: AWS, EC2, SQL, MongoDB, XML, Hadoop, Excel, Figma, Statistics

PROFESSIONAL EXPERIENCE

USC Viterbi Information Sciences Institute Los Angeles, CA
Undergraduate Research Assistant, AI Division Feb 2022 - Current

- Used topic modeling to isolate tweets containing laymansplaining, which formed a new corpus of tweets
- Created classification models capable of identifying climate change misinformation, making a real time impact by countering these tweets and repairing public understanding of our changing climate

Lenovo Group Ltd. Beijing, China
Data Science Intern, Smart Edu Lab Aug 2020 - Jan 2021

- Provided data support for automation essay grading model by using python and excel to conduct data collection and cleaning, which generated a 75k training datasets increasing model's accuracy by 20%
- Developed customized data pipelines and code framework for data preprocessing, which significantly reduced manual work and completed the task 1 month prior to deadline
- Communicated with PhD. and senior researchers to form our natural language processing experiments into a rigorous research paper, resulted in 2 papers successfully published on artificial intelligence conference and journal
 - Publications: [Google Scholar Link](#)

ACADEMIC PROJECTS

"Your Parking Guy" Innovative Product Design (USC) Jan 2022 - Current

- Designed an app that helps users efficiently compare parking lots' expenses, location, rating, and condition to address parking issues in downtown LA
- Implemented app's back-end coding by using Python, front-end data visualization and user interface by using Figma, which built a comprehensive interactive prototype
- Assigned user research, user flow, and wireframe tasks to 3 members and facilitated communication within the group

Uniche (Niche Fashion E-Commerce Web App Startup) June 2021 - Oct 2021

- Motivated product development by leading 4 members to produce 20+ iterations of user interface design, which increased product's daily visits by 15%
- Wrote scripts to generate reports of niche designers on social platforms, gained 1,000+ average daily views

Quantitative Investment (PKU) Feb 2021 - July 2021

- Evaluated pricing factors by applying regression analysis and statistical techniques on financial models, to optimize quantitative strategies with a ROI exceeding baseline by 8%