

# Jiaying (Chloe) Wang

467 Costa Mesa Terrace, Sunnyvale, CA 94085 | (213) 608-2089 | [wangjiay@usc.edu](mailto:wangjiay@usc.edu)

LinkedIn: <https://www.linkedin.com/in/jiaying-chloe-wang-b39925119/>

## WORK EXPERIENCES

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| <b>Data Scientist-Analytics</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Jul. 2019-Now       |
| <b>Beshton Software INC</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | San Jose, CA        |
| <ul style="list-style-type: none"><li>• Maintained and developed Hive databases; developed HiveQL queries to extract, process and clean users' information; built ETL data pipelines for data warehousing.</li><li>• Implemented data analysis and visualization; identified behavioral patterns of converted users.</li><li>• Utilized predictive model for dimension reduction and leveraged K-means as a clustering method for customer segmentation.</li><li>• Coordinated with Engineers and PM to design and analyze the new metrics to increase the revenue; improved the conversion rate of the targeted customers by 10%.</li><li>• Developed reporting and dashboards with Tableau to present business insights to stakeholders for review.</li></ul> |                     |
| <b>Business Analyst Intern</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Feb. 2019-Jun. 2019 |
| <b>Data Application Lab</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Los Angeles, CA     |
| <ul style="list-style-type: none"><li>• Examined data quality in R (detecting missing values, detecting anomalies, remove outliers, etc.); implemented data normalization and visualization to identify key explanatory variables.</li><li>• Conducted interactive dashboards in Tableau to demonstrate relationships between KPIs and users' attributes.</li><li>• Provided data supports and business insights for product manager and engineers to decide new feature launches.</li></ul>                                                                                                                                                                                                                                                                    |                     |
| <b>Data Analyst Intern</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | May 2018-Aug. 2018  |
| <b>Beshton Software INC</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | San Jose, CA        |
| <ul style="list-style-type: none"><li>• Extracted millions of users' records in BigQuery from GCP; developed SQL queries based on business request.</li><li>• Performed exploratory data analysis (EDA) with ad-hoc data to identify the trends of users; worked cross-functionally across Product, Engineering and Data Science.</li><li>• Applied over sampling method to address the imbalanced data; performed predictive model such as Logistic Regression and Random Forests; evaluated model performance with recall metric and ROC Curve; achieved 78% accuracy.</li></ul>                                                                                                                                                                              |                     |
| <b>Project Management Office</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Jan. 2016-Dec. 2016 |
| <b>Accenture</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Shanghai, China     |
| <ul style="list-style-type: none"><li>• Produced the weekly and monthly reports of the IT project of the Infrastructure Operations Department; maintained and developed reporting tools Excel (Pivot Table, VLOOKUP) and increased reporting efficiency by 20%.</li><li>• Analyzed the roles and responsibilities of cross-functional teams; scheduled JAD meetings for the teams.</li><li>• Coordinated with HR to recruit team members; optimized standard operation procedures (SOP) and workflows.</li></ul>                                                                                                                                                                                                                                                |                     |

## EDUCATION

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| <b>University of Southern California (USC)</b> , Los Angeles, CA | 2019 |
| M.S., Engineering ( <b>Data Science</b> ), GPA: 3.8              |      |
| <b>Donghua University</b> , Shanghai, China                      | 2016 |
| B.E., Engineering, GPA: 3.8                                      |      |

**Relevant Courses:** Data Analysis and Machine Learning, Introduction to Computer Networks, Modeling and Analysis with Python, Statistical Learning with Applications in R, Database Management and Information Processing

## SKILLS

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|-----------------------------|--------------------------------------------------------------------|
| <b>Programming Language</b> | SQL/MySQL/MS SQL/PostgreSQL, R, Python, MatLab, Visual Basic       |
| <b>BI Tools</b>             | Tableau, Advanced Excel (Pivot Table, VLOOKUP), PowerPoint, Looker |
| <b>Cloud</b>                | AWS, GCP, Docker                                                   |