

Xinyi (Esther) Yang

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 <https://favesther.github.io>
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DATA EXPERIENCES

- [Data Mining](#) Supervised and unsupervised machine learning models, deep learning models for data analysis such as NLP and image classification, and cross validation for model accuracy.
- [Database](#) on cloud SQL querying on Azure database, SQL++ on AsterixDB and SparkSQL on AWS EMR.
- Visualization Visualization packages such as ggplot, matplotlib, seaborn, etc. in Python, R. [Html visualization](#) using d3.js. [Tableau dashboards](#) with multiple tabs applying user-centered design methods. MS Access and Power BI combined data visualization to deliver business insights.
- Scripting Languages Python 3.9, R studio/markdown, html, java script

PROJECTS

- [Yelp Help](#) This predicts the popularity of restaurants based on ratings and reviews. We also added sentiment analysis parameters to balance different rating standards of different users. We used both machine learning and deep learning methods including logistic regression, Naive Bayes, XGBoost, CNN, and LSTM to build the model.

EDUCATION

- University of Washington** Sep 2019 – Jun 2021, Seattle
Information Management, MS. Specialized in Data Science and Business Intelligence.
- Dong Hua University** 2013 – 2017, Shanghai
Mathematics and Applied Mathematics BS. Specialized in Financial Engineering.
Award: 2017 School-level Undergraduate Excellent Graduation Thesis. *Solution of the Heat Equation with Robin-Robin Boundary Conditions* (2017). Supervised by: [Yuming Qin](#) PhD

WORK EXPERIENCE

- Microsoft** May 2019 – Jul 2019
GSMO Services Business Program and Operations Intern Beijing
 - Coordinate between different teams and departments
 - Build flexible schedule to improve business process and deliver efficiencies
 - Participated in the busy transition from FY19 to FY20
- [Suzhou Sci-Tech Innovation Group](#)** (former Suzhou Equity Exchange) Jul 2017 – Mar 2019
Private Equity Analyst Suzhou
Parent Company: [Oriza Holdings](#) ranked No.8 of [China Venture Capital & Private Equity Annual Ranking 2019](#)
 - Designed business plans for 15+ enterprises, some of them have received financing.
 - Designed large conference presentations and the shareholder reports.
 - Participated in the planning and operations of an [Entrepreneurship Training Program](#) made up of 35 entrepreneurs