

# Xinyi (Esther) Yang

(206)512-0988 | [xyang6@uw.edu](mailto:xyang6@uw.edu)

 <https://favesther.github.io>  
 <https://github.com/favesther/>  
 [LinkedIn](#)

## SKILLS

<a href="#">Data Analytics</a>	Supervised and unsupervised machine learning models, deep learning models for data analysis such as NLP and image classification, and cross validation for model accuracy.
<a href="#">Database</a> 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. <a href="#">Html visualization</a> using d3.js. <a href="#">Tableau dashboards</a> with multiple tabs applying user-centered design methods.
Business Intelligence	IBM Cognos Analytics on cloud. MS Access and Power BI combined data visualization to deliver business insights.
Cloud Solutions	Azure VM, ML studio
Scripting Languages	Python 3.9, R studio/markdown, html 5, java script

## PROJECT

<a href="#">Yelp Help</a>	Predicts the popularity of restaurants based on ratings and reviews. Sentiment analysis parameters was implemented to balance different rating standards of different users. 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** Jul 2017 – Mar 2019  
Private Equity Analyst Suzhou

Former Name: **Suzhou Equity Exchange**

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