Chongyi Xu

Male Age22 Bachelor
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Job Preference： Algorithm

EDUCATION

2015.09 - 2019.06   University of Washington   Seattle, WA   Applied and Computational
Mathematical Science
Courses：Data Structure, Algorithm Design and Analysis, WEB Develop, Database, Machine Learning,
Mathematical Modelling Optimization, AI, Linux, Discrete Math and more

INTERNSHIP

2018.08-2018.10   Welian   Hangzhou, ZJ   WEB Front-end Engineer/Software
Testing Internship
- Responsible for H5 Company Website maintenance. And **SEO** on website keywords according to visits.
- Individually **developed H5 static and active web page** for APP sale event.
- Responsible for IOS **APP testing**. Specify BUGs and keep tracking to ensure quality.

2017.08-2017.10   Lenovo   Shanghai   Data Engineer Internship
- Responsible for designing **SQL** Database table relationships and optimizing the performance.
- Responsible for Front-end Web page testing. Specify BUGs and provide analysis.

PROJECTS

2018.09-2018.12   University of Washington   Seattle, WA
- Responsible for the **optimization** of assigning student candidates to TA positions for Math Department and CS Department.
- Use the **data sampling** from candidate preferences and professor preferences in two years.
- Analyze and Test various **assigning algorithms** including Stable Marriage Algorithm and Hungarian Algorithm
- Compare the result obtained from real data with the model performance based on Monte Carlo Simulation to finalize an optimization and get accepted from Department.

2017.09-2017.12   University of Washington   Seattle, WA
- Have a try on trending topics including eigenfaces, handwriting recognition and text labeling.
- Use Singular Value Decomposition and Correlation Matrix to obtain eigen features from gray faces.
- Use the handwriting recognition models trained on single layer NN and multiple layer NN to make a comparison on accuracy and make analysis.
- Use real news and fake news fetched from internet to perform Naive Bayes, SVM, Decision Tree and KNN. Use word counter and tfi-df to vectorize the text input and compare the performance of difference combination with analysis.

LANGUAGES

- Chinese, native speaker
- TOEFEL 95，6 years study experience in US，native level speaking and writing skill
- Japanese N1 170，able to communicate, read and write in business level

COMPITETION

2019 Def Hackathon Microsoft Programming Contest at Seattle 7th place

- Responsible for developing a Google Chrome extension
- Individually developed **JS** and **PHP** for Back-end

2018 Google Games at Seattle 6th place