Renee(Yifan) Wu

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EXPERIENCE

ENN GROUP | MACHINE LEARNING RESEARCHER INTERN
Mar 2021 - Present | Beijing, China
- Design an auction mechanism for fair data pricing in federated learning platforms
- Research extensively on existing literature on mechanism design
- Clean data and create visualization for load forecasting
- Write reports and create slides

FREE GEEK | INTERN
Jul 2019 – Jun 2020 | Portland, OR
- Process and test functionality of Apple laptops, desktops and others
- Design a program to help include women better in the tech field
- Managed and reorganized e-commerce store. Generated $9000 revenue per month

SME ONLINE | ANALYST
Mar 2018 – Aug 2018 | Beijing, China
- Analyzed the statistics of raw material production in Shandong Province
- Composed well-received reports on industrial parks planning for the Shandong provincial government
- Collaborated with Institute of New Structural Economics and designed research methods for surveying in the coastal southern China

PROJECTS

GAME OF THRONES NETWORK ANALYSIS | INDIVIDUAL
Jun 2019 - Aug 2019| Portland, OR
- Conducted exploratory analysis in Python on interactions between characters in A Song of Ice and Fire book series
- Wrangled network data into dataframe using networkx and pandas
- Determined the key characters using various network centrality measures

CAN I REMAIN A UNICORN: AN ANALYSIS OF THE IPO DECISION IN TECH INDUSTRY | SENIOR THESIS
Aug 2018 – May 2019 | Portland, OR
- Researched extensively on existing economic literature on technology and product market competition
- Modeled mathematically the optimal IPO strategy for a tech company using game theory

PERSONAL BOARD GAME RECOMMENDATION | INDIVIDUAL
Jun 2017 – Aug 2017 | Portland, OR
- Cleaned and wrangled unstructured data with pandas and numpy
- Applied weighted k-nearest neighbors algorithm in scikit-learn
- Built a personal board game recommender and discovered great board games

EDUCATION

UNIVERSITY OF MANNHEIM
MASTER OF SCIENCE IN BUSINESS INFORMATICS
Feb 2021 - Present | Mannheim, Baden-Württemberg

PORTLAND STATE UNIVERSITY
POST-BACC IN COMPUTER SCIENCE
Sep 2019 - Dec 2020 | Portland, OR

REED COLLEGE
BACHELOR OF ARTS IN MATHEMATICS AND ECONOMICS
May 2019 | Portland, OR

SKILLS

PROGRAMMING
Python
C++
R
Stata

LIBRARY
NumPy
pandas
Tidyverse
scikit-learn
Matplotlib
nx
OpenCV

MISCELLANEOUS
SQL
Computer Hardware Assembly
Mandarin Native Fluency

COURSEWORK

Data Mining
Mathematical Statistics
Algorithms and Complextiy
Computer Vision
Linear Algebra
Game Theory
Behavioral Economics

INTERESTS

Auction • Market Design • Modeling • Game Theory • Virtual Reality • Board Game