Yixi Qiu

+1(**508**) 9818151 | www.linkedin.com/in/yixi-qiu/ | yixiq@andrew.cmu.edu

EDUCATION

Carnegie Mellon University, H. John Heinz III College   **December 2022**

Master of Science, Public Policy & Management

   Courses: PhD Microeconomics, Introduction to Machine Learning, Unstructured Data Analytics for Policy, Data Mining, Database Management, Management Science, Applied Econometrics Analysis, Cost Benefit Analysis etc.

Xiamen University, School of Public Affairs   **June 2020**

Bachelor of Management, Public Administration

Minor, Mathematical Statistics

CERTIFICATIONS & TECHNICAL SKILLS

Technical: Python, SQL, R, Stata, SPSS, Excel, Microsoft Office Suite
Certifications: CFA level 2 candidate (passed level 1 exam in Aug. 2022)

PROJECTS

Individual project: Congressional Records Tracking Dashboard   **January 2023**

- Applied unsupervised *LDA topic modeling* method on monthly documents (about 2.5k+) from CREC data requested from GovInfo API to identify emerging political issues and visualized findings using *plotly dash*
- Deployed the dashboard to a web app and also developed a daily updated lite version web app to achieve the same goal by applying text analysis techniques on titles of CREC everyday documents

System project: Improving Access to Affordable Housing in Western Pennsylvania   **September-December 2022**

- Visualized and analyzed the affordable housing supply in Pennsylvania using the NHPD database
- Compiled policy recommendations of bond financing for affordable housing programs based on case studies

Coursework: Unstructured Data Analytics for Policy   **April-May 2022**

- Figured out the best classifier for spam emails by comparing the AUC and precision testing performance of *K-NN* and *random forest model* using the 10-folds cross-validation technique

PROFESSIONAL EXPERIENCES

EmpiricaLab Inc.   **June-August 2022**

Business & Data Analyst Intern   *the United States, Remote*

- **Web scraping:** used *selenium* to scrape 12.7k+ job records from indeed.com and built a cleaned database
- **Data analysis**: identified skills needed in healthcare job market based on word frequency and PMI value, clustered job openings by key skills inferred from the *TF-IDF matrix* and visualized the findings using *matplotlib* and *folium*

SmartMore Technology Co., Ltd   **January-December 2021**

Investment & Strategy Analysis Intern   *Shanghai, China & Remote*

- **Company & industry research**: compiled 8+ industry analysis reports through quantitative data and desk research and 20+ company research reports through financial statement analysis and other information sources
- **Regulation impacts analysis**: discerned macro risks and opportunities of 5+ policy regimes and raised specific recommendations based on a top-down policy hierarchy framework

School of Public Policy, Xiamen University   **September 2018-August 2019**

Research Assistant   *Xiamen, China*

- **Research scoping**: delineated the policy regime based on policy instruments and intergovernmental relations
- **Policy outcome assessment**: examined policy achievements and barriers through policy text analysis, interviews and case studies on topics of big data application, education inequality and other public service areas