

# Sijia (Frances) Wu

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## EDUCATION

### Carnegie Mellon University

*Expected to Graduate in 12/2021*

- Master of Information Systems Management (MISM)
- *Relevant Coursework:* Database Management, Object Oriented Programming in Java, Economic Analysis, Statistics
- *Upcoming Coursework:* Practical Data Science, Data Structures for Application Programmers, Data Focused Python, Unstructured Data Analytics, Big Data and Large-scale Computing

### University of California, Los Angeles

*9/2013-6/2017*

- B.S. Applied Mathematics, Minor in Accounting, GPA: 3.3/4.0, Bruin Leaders Project certified
- *Relevant Coursework:* Probability Theory, Mathematical Modeling, Optimization, Introduction to C++

## RELEVANT SKILLS

- Skilled in Python (matplotlib, sklearn, numpy, pandas, plotly, H2O), SQL, Java, C++, VBA, Git, Excel
- Familiar with C#, Access, R

## PROFESSIONAL EXPERIENCE

### Ernst & Young, LLP US

Los Angeles, CA

*Senior at National Tax Team, Tax Technologies and Transformation*

*10/2017-8/2020*

- Led a team of seven to design, build, and release tax automation tools for partnership clients, utilizing SQL, VBA, Access, and other scripting languages
- Designed an automated system to produce scheduled analytical client reports using SQL, Python, and R
- Halved labor hours for 20 firmwide tax teams by replacing manual tax filing processes with C# APIs
- Developed budgets, timelines, risk assessments, and other documentations for potential workstreams
- Wrote scalable and sustainable Excel-based tools to structure historical equity transactions and investor data, and to produce a variety of analysis reports, such as share variance reports and partner share trackers
- Implemented annual training sessions for EY Partnership Fund teams, and composed user guides for engagement teams. Provided guidance and shared knowledge for team members, including GDS in India

### Kuan Capital

Shanghai, China

*Data Analyst Intern*

*6/2015-7/2015*

- Used clustering method K-Means for user segmentation. Identified shopping behavioral differences in each segment to learn about the customer base and to help the company select potential partners and suppliers
- Gathered information on the needs of Shanghai residents for online-to-offline commerce such as groceries delivery and nail polishing to plan inventory purchase strategy
- Filed more than 500 lease contracts and created an Excel database with details such as rent amount, date of renewal, and current amount payable to raise efficiency in quarterly property check

## PROJECT & LEADERSHIP EXPERIENCE

### Reveal the Spread of COVID-19

Pittsburgh, PA

*Team Lead*

*7/2020-8/2020*

- Uncovered analytical insight into the spread of COVID-19 domestically and globally, using data cleaned, pivoted and reconstructed by pandas
- Utilized plotly and pycharts to create bubble maps with dynamic timeframe, and to reproduce the development of active confirmed cases in motion
- Collaborated with teammates via GitLab, held weekly status calls to discuss, review and comment on code

### Financial Data Technologies Investment Club (FDTIC)

Los Angeles, CA

*Founder and President*

*3/2015-6/2017*

- Raised the usage of Forex mobile application by 5% on campus from a member base of 200 people
- Communicated to 7 business organizations and 30 club leaders to create awareness among students