

# VICTORIA WEI CHEN

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## EDUCATION

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<b>Fordham University, NY</b> Ph.D. Candidate in Economics Concentrations: Econometrics, Machine Learning, Labor Economics	August 2016 - Present <i>GPA: 3.8/4.0</i>
<b>University of Pennsylvania, PA</b> M.S. in Computer and Information Technology Data Structures & Software Development, Computer Systems Programming, Algorithms & Computation	January 2019 - Present <i>GPA: 3.7/4.0</i>
<b>New Mexico State University, NM</b> M.A. in Economics	August 2010 - May 2012 <i>GPA: 4.0/4.0</i>
<b>Fujian Agriculture &amp; Forestry University, China</b> B.A. in International Economics & Trade	September 2006 - July 2010

## RESEARCH EXPERIENCE

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<b>Max Planck Institute for Demographic Research, Germany</b> <i>Visiting Researcher</i> · Working on the research topic of “Covid-19 and the Future of US Fertility: What Can We Learn from Google?” in the <i>Laboratory for Digital and Computational Demography</i> at the Max Planck Institute.	August 2020 - December 2020
<b>The World Bank, Washington, D.C.</b> <i>Consultant</i> · Used GBDT to produce economics indicators and determine the main factors of technology access. Proposed solutions for disadvantaged groups in low & middle- income countries. · Built core software to analyze technology’s impact on disabilities using DHS and IPUMS data sets (36M size, 1,873 variables).	April 2018 - Present
<b>Columbia University, NY</b> <i>Research Intern</i> · Analyzed China Health and Aging Retirement Longitudinal Study panel data set (66M size, 1,493 variables) using R and Stata for paper publication. · Authored and presented “Health, Work, and Income among Middle-aged and Older Adults: a Panel Analysis for China” at the 8 <sup>th</sup> China Economics Annual Conference. Published in the <i>Journal of the Economics of Aging</i> .	May 2018 - December 2018
<b>United Nations Department of Economic and Social Affairs, NY</b> <i>Research Intern</i> · Contributed to the 2018 <a href="#">UN Flagship Report</a> by analyzing DHS and census data using R and python.	July 2017 - September 2017

## TEACHING EXPERIENCE

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<b>Fordham University, NY</b> <i>Adjunct Professor for Macroeconomics</i>	August 2018 - Present
<b>Columbia University, NY</b> <i>Teaching Assistant for Global Social Policy</i>	August 2019 - December 2019
<b>Fordham University, NY</b> <i>Teaching Assistant for Financial Econometrics</i>	August 2016 - May 2018
<b>New Mexico State University, NM</b> <i>Teaching Assistant</i>	January 2012 - May 2012

## PUBLICATION & WORKING PAPERS

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- Mitra, S., Gao, Q., Chen, W., and Zhang, Y. (2020). “Health, Work, and Income among Middle-aged and Older Adults: a Panel Analysis for China.” *The Journal of the Economics of Ageing*, 17: 100255.
- Chen, W. (2020). “Debt and Older People: Evidence from China’s New Rural Pension Scheme”.
- Chen, W., Gu, X., Hasan, I., Zhu, Y. (2020). “Loyalty, Cooperation and Perks: Insider Trading in a Harmonious Society”.

- Wilde, J., Chen, W., Lohmann, S. (2020). "Covid-19 and the Future of US Fertility: What Can We Learn from Google?".
- Mitra, S., Chen, W., Hervé, J., and Yap, J. (2020) "Inclusive Statistics: a disaggregation of development indicators by disability status".
- Han, H., Chen, W., Scuzzero, J. (2018). "Endowment Analytics for the Richest Universities by Machine Learning".
- Wilde, J., McLaren, Z., and Lohmann, S., Chen, W. (2019). "Temperature, Behavior, and the Internet: What Can We Learn From Google Searches?".
- Chen, W. (2013). "American Economic Imbalance and Chinese Industrial Restructuring", *Times Finance Journal* (Chinese publication), 27.

## SOFTWARE & DATA PROJECTS

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### Net Worth Forecaster

March 2019 - May 2019

- Created and designed a Java application for user net worth estimation & forecasting, Implemented JavaFX UI frontend & client, incorporating real-time pricing data APIs.
- Developed a Python-based time-series and GBDT forecast model with in-sample accuracy of 82%.

### New York City Rental Pricing App

August 2019

- Built an Android App using random forests to predict rental prices in NYC based on Streeteasy data.
- Winner of MCIT Hackathon, 2019 Summer

### Insider Trading Social Network

June 2018 - Present

- Produced and co-authored a research paper on insider trading in China with UPenn professor Dr. X. Gu, and St. John's professor Dr. Y. Zhu. Built an extensive insider trading emulation network model.
- Utilized Python, Stata & R to mine and analyze data from 3,500 Chinese public firms, municipal politician activities, macro economic indicators, and firm-level financial data.
- Visualized network with over 2 million edges and synthesized conclusions using network analysis and Gephi visualization software.

### Voice - A New Feedback for Feedback System

January 2020

- Developed a web application using Java, Mustache, Postgres, and Heroku to improve workplace feedback for team collaboration.
- Won 1<sup>st</sup> place & People's Choice from UPenn MCIT Hackathon, 2020, applied for Berkman Opportunity Fund.
- Link: [YouTube](#)

## SKILLS

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Python, SQL, Java, C, R, Stata, Matlab, Latex, Git, Machine Learning, Big data & statistical analysis.

## LANGUAGES

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American English (Fluent), Chinese (Native), French (Beginner).

## HONORS & AWARDS

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- Research Fellowship at Max Planck Institute, Germany, 2020
- 1<sup>st</sup> place & People's Choice from UPenn Winter Hackathon, 2020
- 1<sup>st</sup> place of UPenn Summer Hackathon, 2019
- Graduate Summer Fellowship at Fordham University, 2019
- Davidson Endowed Scholarship, 2016 - 10% acceptance
- Member of the International Honor Society, Beta Gamma Sigma business program, 2010

## REFERENCES

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**Sophie Mitra** · Fordham University · [mitra@fordham.edu](mailto:mitra@fordham.edu)

**Joshua Wilde** · Max Planck Institute · [wilde@demogr.mpg.de](mailto:wilde@demogr.mpg.de)

**Maria Martinho** · United Nations Department of Economic and Social Affairs · [martinho@un.org](mailto:martinho@un.org)