

Fiona Sijie Feng

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Education **NYU Stern School of Business** 2013-2019

Ph.D. Candidate in Economics (Sep 2019 Graduation)

University of Melbourne 2011

Honours in Economics

University of Auckland 2007-2011

Bachelor of Arts/Bachelor of Commerce (Philosophy & Economics)

Projects **The Proximity of Ideas: An Analysis of Patent Text Using Machine Learning** (*Job Market Paper*)

Explored knowledge relationships in innovative ideas as represented by patent text using machine learning/natural language programming. Implemented Neural Networks, Random Forests, Latent Dirichlet Allocation, and Doc2Vec in Python. Data analytics and visualization implemented in Python and R.

Assessing the quality of management and business practices from employee job reviews

Derived measures of employee satisfaction, management and workplace quality using natural language processing techniques. Implemented web scraping, random forests text classification, and data analytics in Python.

Awards & Fellowships American Economic Association (AEA) CSWEP Summer Dissertation Fellowship, *Federal Reserve Bank of Minneapolis* 2018

Policy Research Fellowship, *Internet Association* 2017

Teaching Commendation for Rating 6.5/7, Introductory Microeconomics, *NYU Stern*

Conferences and Presentations *Transatlantic Doctoral Conference*, London Business School, London, England 2018

Early Career Economists Conference, Monash University, Melbourne, Australia

Summer Internship Presentation, Federal Reserve Bank of Minneapolis, Minneapolis, USA

NBER Productivity Seminar, National Bureau of Economic Research, Boston, USA (October)

Roundtable for Engineering Entrepreneurship Research (REER)
 Conference, Georgia Tech, Atlanta, USA (November)
 NET Institute Conference (Discussant), NYU Stern, New York, USA
 NBER Digitization Tutorial, Stanford University, Palo Alto, USA

2017

Teaching NYU Stern

UG

Teaching Fellow, *Competitive Analysis* with Prof. Greg Kubitz
 (Spring 2017, Spring 2018)

Teaching Fellow, *Introductory Microeconomics* with Prof. Simon
 Bowmaker (Fall 2016, Fall 2017)

University of Melbourne

Tutor, *Advanced Macroeconomics* with Prof. Lawrence Uren
 (Semester 2, 2012)

Tutor, *Intermediate Macroeconomics* with Prof. Chris Edmond
 (Semester 2, 2012)

Tutor, *Introductory Macroeconomics* (Semester 2, 2011; Semester 1,
 2012)

NYU Stern

MBA

Teaching Fellow, *MBA and EMBA Global Economy* with Prof. Stan
 Zin (Summer 2015, Summer 2016, Summer 2017)

Teaching Fellow, *Financial Crisis* with Prof. Kim Schoenholtz (Fall
 2014)

PhD

Committee

Petra Moser (Chair, *Economics, NYU Stern*) pmoser@stern.nyu.edu

Luis Cabral (*Economics, NYU Stern*) luis.cabral@nyu.edu

Robert Seamans (*Management & Organizations, NYU Stern*) rseamans.stern.nyu.edu

Professional

Service NYU Stern

Doctoral Student Events Committee (2015)

Doctoral Applications Reviewer (2010)

University of Auckland

Student Representative, University Central Committee, Senate and
 Equity (2010)

Treasurer, Auckland University Students' Association (2009-10)

Personal

Citizenship: New Zealand

Languages: English (Native), Chinese Mandarin (Fluent)

Programming languages: Python, R, Stata