

# MICHAEL CAI

## PRESENT ADDRESS

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New York, NY 10010

## CONTACT INFORMATION

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## EDUCATION

New York University Stern School of Business, New York, NY  
Bachelor of Science, Economics, May 2017  
Concentration in Economic Theory  
Minor in Mathematics  
G.P.A. 3.89/4.00

## HONORS AND AWARDS

Beta Gamma Sigma Honors Society  
Dean's List: Fall 2013 - Spring 2016

## COURSEWORK

**Economics:** Microeconomics I, Microeconomic Theory, Econometrics I, Competitive Analysis, Economics of Global Business, Macroeconomic Foundations for Asset Pricing, Quantitative Economics with Python

**Mathematics:** Single-Variable Calculus, Multi-Variable Calculus, Linear Algebra, Number Theory, Analysis I

## EXPERIENCE

<b>Summer Research Analyst</b>	Federal Reserve Bank of New York New York, NY	Upcoming June 2016
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*Under the supervision of Marco Del Negro and Marc Giannoni*  
Working in the Dynamic Stochastic General Equilibrium Group

<b>Research Assistant</b>	NYU Stern Urbanization Project New York, NY	Fall 2015
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*Under the supervision of Professor Paul Romer*  
Worked on an automated shell script build of an Amazon Web Services EC2 instance, which ran a Hiawatha web server/PostgreSQL database backend to serve up an internal Wiki page of various city data.

<b>Policy Research Intern</b>	Center for Open Data Enterprise New York, NY	Summer 2015
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Wrote policy briefs (5 pages each) and contributed to more extensive policy papers (10-15 pages) on the importance of open governmental data in partnership with a World Bank Open Data working group.

## TECHNOLOGIES

Proficient in Python (specifically in scientific computing applications i.e. using NumPy, pandas, matplotlib)

Intermediate in R, MATLAB, L<sup>A</sup>T<sub>E</sub>X

Familiar with MySQL/PostgreSQL, Mathematica, Amazon Web Services EC2, bash shell