

**KEVIN LAI**  
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## **EDUCATION**

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**SWARTHMORE COLLEGE** Swarthmore, PA  
B.A., Economics and Mathematics with Statistics Emphasis, High Honors, GPA: 3.64 *May 2018*  

- Recipient of Intercultural Center Recognition for Emerging Leaders Award, 2016 Swarthmore College Summer Research Fellowship, Sigma Xi Associate Membership
- Relevant Coursework: Probability, Mathematical Statistics I & II, Statistical Methods I & II, Financial Economics, Financial Accounting, Introduction to Computer Science, Advanced Macroeconomics, International Economics

## **EXPERIENCE**

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**NEW YORK FEDERAL RESERVE BANK** New York, NY  
*Sr. Research Analyst* *Jul. 2018 to Present*  

- Run regressions to analyze the effects of bank complexity on excess returns of bank holding companies
- Code in Stata to clean and prepare large, confidential datasets for analysis
- Create and revise PowerPoint slides for presentations with the IBRN and FDIC

**SWARTHMORE COLLEGE** Swarthmore, PA  
*Math/Stat Department Research Assistant* *Aug. 2017 to May 2018*  

- Built and ran simulations comparing the effectiveness of different estimators that observe changes in land use and land cover from 2005-2010
- Created time-series graphs and tables to present changes in land use/land cover to the US Forest Service
- Coded in R to clean and prepare data, containing information for 6000+ plots, for analysis

**NEW YORK FEDERAL RESERVE BANK** New York, NY  
*Summer Analyst* *Jun. to Aug. 2017*  

- Built a dataset of all authors and papers from NBER Summer Conferences (2001-2016) and assigned author names to gender to analyze gender participation in Economics
- Created boxplots and stacked bar graphs using R and Stata to visualize the time-series changes in share of female authors and co-authors
- Ran through code in Python to explore machine learning algorithms and analyze mortgage default risk
- Conducted literature review on mortgage lending discrimination for a working paper

**SWARTHMORE COLLEGE** Swarthmore, PA  
*Economics Department Teaching Assistant* *Aug. 2016 to Dec. 2017*  

- Conducted weekly walk-in clinics for students in Intermediate Microeconomics and Macroeconomics classes, helping around 20 students with understanding homework problems or lecture notes every session
- Held one-on-one tutoring sessions with 6 struggling students

**YALE UNIVERSITY** New Haven, CT  
*Economics Department Research Assistant* *July 2016 to Jan 2017*  

- Analyzed census data from Spanish archives to build family trees and observe patterns in social mobility and economic inequality
- Used OCR to read and reformat useful tables from Spanish academic articles to add background information in Pre-modern Spanish History and Economics to analysis
- Coded in R and Stata to build regression models, create Lorenz Curves and density graphs, and report summary statistics for an NSF Grant Proposal

## **ADDITIONAL DATA**

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- **Computer Skills:** R, Python, Stata, Microsoft Office, SQL
- **Language:** Proficient in Chinese; Intermediate Spanish
- **Academic Interests:** Music Theory, Classical History, Statistics, Economics
- **Extracurricular:** Board Member, Swarthmore Asian Organization; Treasurer, Swarthmore Men's Ultimate Frisbee Team; Logistics Volunteer, SASE National Conference; Swarthmore Music Department Chamber Group