

WILLIAM LEE

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EDUCATION

University of Pennsylvania || *Philadelphia, PA*

May 2019

Degree: B.A.in Mathematical Economics | **Minor:** Statistics | **GPA:**3.64/4.0

Relevant Coursework: Graduate Level Microeconomics, Graduate Econometrics, Probability, Statistical Inference, Predictive Analytics, Real Analysis, Advanced Linear Algebra, Graduate Abstract Algebra, PDE, ODE

Honors & Awards: Deans List (2018, 2016), Magna Cum Laude, Honors in Mathematical Economics

RESEARCH AND RELATED EXPERIENCE

Federal Reserve Bank of Chicago || **Research Assistant**

July 2019 - Present

- Prepared policy memos on current events and financial conditions (eg. home price appreciation, pandemic business loans, community bank stability) for FOMC policy purposes
- Conducted academic research on nonbank mortgage lending, mortgage forbearance, and the substitution between student loan debt and mortgage debt
- Assisted on large scale data cleaning projects, utilizing high performance servers and complex workflow management

Federal Reserve Bank of Chicago || **Research Intern**

Jun 2018 - Aug 2018

- Interned in the Economic Research Department on the Finance Team
- Researched the impacts of Bank of England's QE programs on corporate bond price, yields, and yield spreads
- Worked in Matlab and R to clean data, run TSLS analysis, and measure stock and flow effects

HOFINET: Housing Finance Information Network || **Research Assistant**

Feb 2017 - Jul 2018

- Prepared country-specific reports on international housing markets for a non-profit web portal for global housing based in Wharton's Zell/Lurie Real Estate Center under Prof. Hoek-Smit (Real Estate Dept.)
- Corresponded with international experts and made use of large data portals to collect and clean data

PURM: Penn Undergraduate Research Mentorship || **Research Assistant**

May 2017 - Aug 2017

- Awarded a competitive summer research grant to conduct research on voter demographics and structural inaccuracies in exit poll surveys under Professor Marc Meredith (Political Science Dept.)
- Gained experience handling large data sets in STATA and R and presenting formal research
- Presented my research at CURF Annual Research Open House

ADDITIONAL EXPERIENCE

Wharton Public Policy Initiative Student Group || **Various Positions**

Aug 2016 - Present

- A hub for research and education focused on business, public policy, and economics
- Deputy Internal Affairs: (2016) Organized meetings for a 60+ member organization
- Deputy of Data Initiative:(2017) Coordinated and designed a training program for basic data literacy among group members
- Economic Policy Writer: Researched and published articles on relevant economic topics including urban economics and public economics

Philmont Scout Ranch || **Ranger**

Summers '15 & '16

- Guided backpacking crews, taught first aid, assisted in search and rescue
- Philmont Staff Association Scholarship: \$1000 awarded for excellent leadership

2016

SKILLS AND INTERESTS

Skills R, STATA, Matlab, Python, SQL
Personal US Citizen