

# ZAHRA THABET

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## EDUCATION

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### Stanford University

*Non-Matriculated Graduate Student*

Expected June 2024

*Stanford, CA*

### Wellesley College

*B.A. in Economics & Mathematics*

*Durant Scholar Summa Cum Laude*

*Honors in economics*

May 2022

*Wellesley, MA*

GPA : **3.93/4.00**, Major GPA: **3.98/4.00**

### Massachusetts Institute of Technology

*Cross-Registered Student*

Spring 2020 - Spring 2022

*Cambridge, MA*

GPA : **5.00/5.00**

## RESEARCH EXPERIENCE

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### Predoctoral Research Fellow for Prof. Neale Mahoney

*Stanford Institute for Economic Policy Research, Stanford University*

July 2023 -

*Stanford, CA*

- Implemented analysis of an RCT studying the financial and mental health effects of \$172 million of medical debt relief over 80,000 recipients. Managed, cleaned, and cross-walked 47GB of credit bureau, debt collector, and survey data covering 4 years and 310,000 individuals.
- Estimated treatment effects overall and by heterogeneity splits for various financial outcomes.
- Analyzed a survey of a subset of respondents, including treatment effect estimation on mental health outcomes. Developed a strategy accounting for possible survey non-response bias.

### Predoctoral Research Fellow for Prof. Heidi Williams

*Stanford Institute for Economic Policy Research, Stanford University*

June 2022 - June 2023

*Stanford, CA*

- Built SQLite and Python data pipelines for > 1TB citation-graph datasets for a project decomposing person- and place-based effects of researchers' propensity to commercialize.
- Constructed many >1TB databases from scratch and managed HPC storage for all lab members, ensuring best practices were used in reproducibility and efficiently leveraging parallel processing.
- Migrated and replicated >100 Git repositories and >30TB of data across two HPC clusters. On-boarded graduate students and collaborators onto the new servers.

### Case Summer Fellow with Prof. Eric Hilt

*Economics Department, Wellesley College*

June - Aug 2021

*Wellesley, MA*

- Characterized the impact of corporate form on investment banks' ability to raise capital during the paperwork crisis of the late 1960s (R, Python, and Stata).
- Tested and deployed machine learning and optical character recognition models to automate the conversion of archival data to machine-readable format with Python and AWS.
- Arranged and conducted archival research at the Library of Congress and the National Archives.

### RA for Prof. Dean Eckles

*Sloan School of Management, MIT*

March - June 2021

*Cambridge, MA*

- Built simulations of networks in Python to run on MIT's high-performance computing cluster for a project estimating the effect of node degree on the strength of ties in large social media networks.

**Summer RA for Prof. Malick Ghachem***History Department, MIT*

Jun - Aug 2020

Cambridge, MA

- Assembled and analyzed archival, French-language document database on the history of the Plague of Marseilles and its effect on the silver trade during the 18<sup>th</sup> century.

**RA for Prof. Lisa Parks***Comparative Media Studies Department, MIT*

Sept - Dec 2019

Cambridge, MA

- Used FOIA to document surveillance practices in the Immigration and Customs Enforcement Agency.

**RA for Prof. Danielle Wood***Space Enabled Research Group, MIT Media Lab*

Feb - Aug 2019

Cambridge, MA

- Wrote case studies of robotics and energy companies' co-working practices in Boston.
- Conducted in-person interviews with robotics startup employees.

**Summer Research Intern with Dr. Lahouari Bounoua***Biospheric Sciences Laboratory, NASA Goddard*

Jun - Aug 2017, 2018

Greenbelt, MD

- Processed satellite data to characterize how the built environment affects the climate.

**WORK EXPERIENCE**

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**Sexual Assault Prevention Workshop Facilitator***SHARE Title IX Office, Stanford University*

Aug 2022 -

Stanford, CA

- Facilitate a 12-hour sexual assault prevention program (Flip the Script with EAAA) held 3-6 times per year for undergraduate and graduate women as part of a multi-site RCT.

**Microeconomics Tutor/Grader***Pforzheimer Learning and Teaching Center, Wellesley College*

Sep 2019 - May 2020

Wellesley, MA

- *Intro to Microeconomics* course tutor. Held 1-2 tutoring sessions per week.

**WRITING**

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(Undergraduate Thesis) **Thabet, Z.** 'The Effect of Organizational Form on Broker-Dealers' Outcomes During the Paperwork Crisis,' 2022.

**AWARDS**

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**2022** Natalie Bolton Student Prize

Wellesley, MA

The senior economics major designated by her peers as an outstanding economist (sole recipient).

**2022** Joseph Lambie Economic History Prize

Wellesley, MA

Outstanding work in American economic history; awarded for my senior thesis 'The Effect of Organizational Form on Broker-Dealers' Outcomes During the Paperwork Crisis' (sole recipient).

**TECHNICAL STRENGTHS**

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**Programming**

Julia, Python, R, Stata, Java, Bash, C#, SQL

**Packages**

CVXPY, Convex.jl, TensorFlow, PyTorch

**Software**Git, Slurm, L<sup>A</sup>T<sub>E</sub>X, AWS**Languages**

English - Native, French - Intermediate Level