

MILES T. SMITH

Updated: November 2025
Email: miles.t.smith@frb.gov

Phone: 541-231-7676
Website: MilesTSmith.com

EDUCATION

B.A. Mathematics and Economics *with honors and distinction*, Occidental College, 2023

GPA: 3.8, *Magna Cum Laude*

Honors Thesis: [Updated Version](#) ([previous](#))

RESEARCH EXPERIENCE

- Aug. 2022 - Aug. 2023 **Research Assistant in Economics**, Occidental College
Project: *Diverse Hiring in a Homogeneous Hiring Pool*
Advisor: Prof. Jorgen Harris
[Working Paper](#) (with Prof. Eleonora Patacchini, Cornell)
- May - Aug. 2022 **Undergraduate Research in Economics**, Occidental College
Project: *The Effect of Loss Aversion on a Poverty Trap Model*
Advisor: Prof. Brandon Lehr
[Paper](#)
- Jan. - Aug. 2022 **Research Assistant in Applied Mathematics**, Occidental College
Project: *NSFD Schemes for the Heat Equation Using Unity Approximations*
Advisor: Prof. Treena Basu
- May - Aug. 2021 **Research Experience for Undergraduates in Applied Mathematics**, Oregon State University
NSF Project: *An Explicit and Analytical Solution to the Stokes Equation on the Half-Space*
Advisor: Prof. Hoe Woon Kim
[Working Paper](#)
- June - Dec. 2020 **Machine Learning Research Intern**, Air Force Research Laboratory
Project: *Machine Learning for Multi-Domain Operations*
Advisor: Dr. John Meyers
- Sept. 2019 - May 2021 **Psychology Research Assistant**, Occidental College
Project: *Preventative Health Care Disparities in Rising Adults*
Advisors: Prof. Patricia Cabral and Prof. Andrea Hopmeyer

OTHER WORK EXPERIENCE

- June 2024 - *Present* **Sr. Research Assistant**, Federal Reserve Board of Governors
[Federal Reserve Payments Study Publications](#)
- June 2023 - June 2024 **Research Assistant**, Federal Reserve Board of Governors
- Aug. 2021 - May 2023 **Lead (only) Math Department Tutor**, Occidental College
- Jan. 2021 - May 2022 **Math and Physics Courses TA and Grader**, Occidental College
Courses: Calculus II (MATH 120), Math Methods (PHYS 310)
- Sept. 2019 - Aug. 2022 **Student Representative on Board of Trustees**, Occidental College
Academic Affairs and Technology Committee
- May 2018 - Aug. 2019 **Python Summer Programming Camp Lead**, Oregon State University
- Oct. 2017 - Aug. 2019 **Front-End Web Development Intern**, Proworks, Inc.

CONFERENCE PRESENTATIONS AND TALKS

Two-sided Market Concentration and Household Welfare ([Proposal](#))

June 2025 Federal Reserve Board, NSF Seminar
Sept. 2024 [Federal Reserve Board, Brown Bag Seminar](#)

Persistent Poverty and Inequality (Current Paper)

Oct. 2025 [Federal Reserve Board, Brown Bag Seminar](#) (Loss Aversion and Poverty)
July 2023 [Federal Reserve Board, Brown Bag Seminar](#) (Honors Thesis)
May 2023 Occidental College, Economics Dept. Honors Presentation

NSFD Schemes for the Heat Equation Using Unity Approximations

June 2022 [NREUP Research Presentation](#)
April 2022 [Student-Faculty Occidental Research Presentations](#)

An Explicit and Analytical Solution to the Stokes Equation on the Half-Space

April 2022 National Conference for Undergraduate Research (NCUR)
March 2022 Occidental Math Department Research Seminar Series
Nov. 2021 [SUMS at James Madison University](#)
Nov. 2021 Southern California Mathematics Association of America (SoCal MAA)
Oct. 2021 Southern California Conferences for Undergraduate Research (SCCUR)
Sept. 2021 Young Mathematicians Conference at Ohio State University (YMS)

AWARDS AND HONORS

April 2025 [NSF Graduate Research Fellowship](#) (*declined*)
Project: *Effects Of Minimum Wage Policy In The Presence Of Growing Dual-Market Power*
Spring 2023 Benedict Freedman Senior Prize in Mathematics (*awarded for highest academic achievement*),
Honors and Distinction in Economics
Summer 2022 Undergraduate Research Fellowship, Occidental College
Fall 2022 W. M. Keck Foundation Scholarship
Fall 2021 Dr. B.F. Stelter Memorial Scholarship
Fall 2020 Harry and Grace Steele Foundation Scholarship
Fall 2019 - Spring 2023 Dean's List

SKILLS AND ACTIVITIES

Programming: Python, R, MatLab, Stata, Git;
Data analysis, Web scraping, Machine learning models

Activities: Volunteer Site leader, [Open Table](#) (2025-Present)
Inequality Seminar Series, Federal Reserve Board (2023-2025)
Diversity, Equity, and Inclusion Leadership, Federal Reserve Board (2023-2025)
Volunteer, [LA Mission](#) (2022-2023)
Math Mentoring Network (Creator and Lead Mentor), Occidental College (2021-2023)
Volunteer Web Developer, Center Against Rape and Domestic Violence ([CARDV](#)) (2015-2019)