

ALAN E. LUJAN SOLIS, PH.D.

PERSONAL INFORMATION

email alujan@jhu.edu
website <https://alanlujan91.github.io/cv/>
github <https://github.com/alanlujan91>
phone (M) +1 (832) 567-2665

RESEARCH INTERESTS

Computational Economics and Household Finance: Developing advanced computational methods to rigorously analyze the economic conditions of households, with a focus on understanding and addressing inequality, poverty, and economic mobility.

EDUCATION

2017 – 2023 Ph.D. in Economics, THE OHIO STATE UNIVERSITY — Columbus, OH
Dissertation: Essays in Computational Economics and Household Finance. Advisors: Prof. Meta Brown and Prof. Christopher Carroll. Fields: Computational Economics, Macroeconomics, Household Finance, Inequality.

2016 – 2017 M.A. in Economics, THE UNIVERSITY OF TEXAS AT AUSTIN — Austin, TX

2009 – 2013 B.S. in Pure Mathematics, B.A. in Economics with Special Honors, B.A. in Government, UT AUSTIN — Austin, TX Economics Honors Thesis Advisor: Prof. David Kendrick

EMPLOYMENT

2024 – Present Program Coordinator and Lecturer, JOHNS HOPKINS UNIVERSITY — Washington, DC Design and instruction for Masters-level macroeconomics and econometrics courses. Development of open-source instructional materials (jhu-aap-econ.github.io). Student advising and adjunct faculty management.

2023 – 2024 Visiting Assistant Research Professor, JOHNS HOPKINS UNIVERSITY — Baltimore, MD Continued research in heterogeneous agent models and computational methods. Advised Ph.D. students and collaborated with Prof. Christopher Carroll.

2020 – Present Core Developer, ECON-ARK — Remote Leading development of **ECON-ARK**, an open-source toolkit for heterogeneous agent modeling and quantitative economic research. Part of **NumFocus** non-profit.

GRANTS AND AWARDS

2024 FOSSProF Grant, Johns Hopkins OSPO ([link](#)) *Principal Investigator, \$50k. Focus: Open Science and Reproducibility.* Output: REMARK Publication at econ-ark.github.io/FOSSProF/ (Reproducibility Standards in Economics).

2023 Graduate Student Paper Award, Society for Computational Economics ([link](#)). **For: EGMⁿ Method Innovation and Computational Efficiency.**

2022 Distinguished University Fellowship, The Ohio State University
2021 Graduate Associate Teaching Award, The Ohio State University
2021 Larry & Shelia Kantor Award, The Ohio State University
2017 Distinguished University Fellowship, The Ohio State University

SELECT PRESENTATIONS

2024 International Assoc. for Applied Econometrics (IAAE), Thessaloniki, Greece; Computing in Economics & Finance (SCE), Singapore
2023 UT MA Economics 10-Year Anniversary Celebration, Austin, TX; Computing in Economics and Finance (SCE), Nice, France
2022 Computing in Economics & Finance (SCE), Dallas, TX

SELECT WORKSHOPS & CONFERENCES

Aug. 2024 Dynamic Structural Econometrics Workshop, Wisconsin, Madison; SciPy 2024, Remote
2023 NBER Heterogeneous Agent Macro Workshop, Cambridge, MA; Midwest Macroeconomics Meetings, Columbus, OH
2022 SciPy 2022, Austin, TX

TEACHING EXPERIENCE (LEAD INSTRUCTOR)

Fall 2025 Econometrics (Masters), Johns Hopkins (2 in-person, 1 online)
Summer 2025 Econometrics (Masters), Johns Hopkins (Online)
Spring 2025 Machine Learning in Statistics (Masters), Johns Hopkins (Online)
Spring 2025 Econometrics (Masters), Johns Hopkins (In-person)
Fall 2024 Macroeconomic Theory (Masters), Johns Hopkins
Fall 2024 Econometrics (Masters), Johns Hopkins (Hybrid)
Spring 2021 Current Economic Issues in U.S., Ohio State (Online)

SERVICE & LEADERSHIP

2024 – Present Chair, Open Source Science (OSSci) Economics Interest Group

OTHER INFORMATION

Languages English (Fluent), Spanish (Native)
Citizenship U.S. Permanent Resident, Mexican Citizen
References Available upon request

November 21, 2025