Will Sandholtz

530 Evans Hall #3880   willsandholtz@econ.berkeley.edu
Department of Economics, UC Berkeley   https://willsandholtz.github.io
Berkeley, CA 94720

Education
Ph.D.   Economics, UC Berkeley
                2018-present (on leave during 2021-2022 academic year)
M.A.   Economics, UC Berkeley
                2018-2021
B.A.   Economics & Statistics (Highest Honors), UC Berkeley
                2014-2018

Research Interests
Microeconomic theory, philosophy of economics, public finance

Working Papers
"House-Swapping with Objective Indifferences" (with Andrew Tai) [pdf] [arXiv]

Abstract: We study the classic house-swapping problem of Shapley and Scarf (1974) in a setting where agents may have "objective" indifferences, i.e., indifferences that are shared by all agents. In other words, if any one agent is indifferent between two houses, then all agents are indifferent between those two houses. The most direct interpretation is the presence of multiple copies of the same object. Our setting is a special case of the house-swapping problem with general indifferences. We derive a simple, easily interpretable algorithm that produces the unique strict core allocation of the house-swapping market, if it exists. Our algorithm runs in square-polynomial time, a substantial improvement over the cubed time methods for the more general problem.

Works in Progress
"Why Do Legislators Form Links? Network Analysis on the House" (with Kevin Dano and Andrew Tai)

"Learning(?) in Strategy-Proof Mechanisms" (with Andrew Tai)

Teaching
As Teaching Assistant (GSI) at UC Berkeley:
        Introduction to Economics, ECON 2 (Fall 2023)
        Global Inequality and Growth, ECON 133 (Spring 2024)

Awards and Honors
National Science Foundation (NSF) Graduate Research Fellowship (2019)
University Medal Finalist [press] (2018)
Steve Goldman Memorial Prize/Economics Departmental Citation (2018)
Phi Beta Kappa, inducted as junior (2017)