

Louis McKinnon

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EDUCATION

University of California, Berkeley

Graduation: Dec. 2022

Major: Economics (B.A), English (B.A)

GPA: 3.94 / 4.00 **MCAT:** 517 **GRE (Q/V):** 167/163

Coursework: *Biochemistry, Real Analysis, Advanced Microeconomic Theory, Topics in Economic Research, Microeconomics, Macroeconomics, Econometrics, Intro to Probability and Statistics, English Honors Thesis*

RESEARCH AND PROFESSIONAL EXPERIENCE

Research Assistant to Drs. Amanda Kowalski and David Chan – University of Michigan Jan. 2023 – Present

- As the sole/senior research assistant for most of my tenure, I coordinate the project and help lead the analysis.
- I manage a rich patient-level dataset combining Michigan Medicine electronic health record (EHR), Medicare, and behavioral data and apply cutting-edge econometrics (using STATA) to inform health policy.
- I facilitate interdisciplinary collaboration among experts in health access and disparities, such as from economics, epidemiology, and public health, and ensure clinical and policy relevance at all research stages.
- Led numerous IRB applications linking our EHR data to Medicare data, voting data, and more, led the writing of two NIH R01 level grants (both for which we have received support), and led hiring and onboarding.

Digital Health Navigator — Roots Community Health Center (Oakland, CA) Jul. 2021 – Present

- Conducted phone surveys with patients to assess telehealth and ACP readiness, provided digital and federal benefit enrollment support, and communicated patient needs to the physician team via the EHR interface.
- Contributed to literature review, seed grant application, and Census and USAC data assessment of awareness and barriers to the Affordable Connectivity Program (ACP) and Internet/Mobile Data access and quality
- Developed survey tool on internet connectivity, device access, and ACP with an integrated interactive dashboard to coordinate clinicians, volunteers, and an external ACP support organization.
- Currently leading data analysis and visualization of results for presentations and manuscript preparation.

Methods Core Research Assistant – UChicago, Center for Health and the Social Sciences May 2022 – Dec. 2022

- CHeSS fosters research between UChicago Medicine and social scientists at UChicago. I provided computing, data, and research assistance (STATA) on interdisciplinary projects to improve clinical care.
- On the Hospitalist Project, I analyzed the operational efficiency of surveys, presented results at weekly team meetings with physician-economist Dr. David Meltzer, and adapted how these surveys were clinically run.
- On the MiChart Project, I led cohort selection, data management and analysis, and result presentation, assessing the impact of MyChart technology on patient outcomes to inform better care.

Data Analyst — Kaiser Permanente Oakland Medical Center, Dpt. of Otolaryngology Sep. 2021 – Sep 2022

- Conducted 10-year analysis of Pediatric Airway Foreign Bodies presented at AAO-HNSF 2022 Annual Meeting & OTO Experience using NEISS database. Data management in Python (*pandas*). Logistic regression, Wald and Pearson statistics, visualizations in STATA (*svyset*). Tables compiled in LaTeX.

Engineering Intern — UChicago, Center for Translational Data Science Sep. 2021 – Jan. 2022

- Created Interactive Clustered Heatmap Visualization package (Python) for genomic expression data
- Created R package for efficient multi-sample (2+) analysis of single-cell RNA sequencing data

Research Apprentice to Dr. Stefano DellaVigna — UC Berkeley, URAP Sep. 2020 – May 2021

- Conducted literature review on U.S. interstate policy diffusion and presented to apprentice team
- Collected data on alcohol regulation and COVID policies from Harvard Dataverse and NBER working papers

SKILLS & OTHER AFFILIATIONS

- US Census Special Sworn Status (expires 2024), Certified Emergency Medical Technician (CA, expires 2023), STATA, R, LaTeX, Python, MATLAB, CPR/BLS Certified (expires 2023)