

# DILI MADUABUM

New Haven, CT

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## EDUCATION

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### Yale University

*Expected May 2024*

*M.A in International and Development Economics*

*New Haven, CT*

- **Relevant Coursework:** Introduction to Machine Learning, Machine Learning for Economic Analysis, Social Networks and Economic Development
- **Honors/Awards:** EGC-IDE African Student Scholarship (full-tuition + living stipend)

### University of Missouri

*Dec 2022*

*BS in Economics; BS in Mathematics; Minor in Statistics; (GPA - 3.77, Cum Laude)*

*Columbia, MO*

- **Relevant Coursework:** Linear Algebra, Multivariate Calculus, Probability Theory, Mathematical Statistics, Real Analysis, Numerical Linear Algebra, Differential Equations, Applied Analysis
- **Honors/Awards:** Deaton Scholar, Dean's List, Omicron Epsilon Delta, Independent Research Grant

## RESEARCH EXPERIENCE

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### Yale University

*Oct 2023 – Present*

*Graduate Research Assistant, PI: Dr. Jonas Lieber (Feb 2024 – Present)*

- Write R code for ingredient categorization
- To Do: Develop a non-parametric demand estimation model to identify food complements or substitutes

*Graduate Research Assistant, PI: Dr. Winnie van Dijk (Oct 2023 – Feb 2024)*

- Assisting in the implementation of a randomized controlled trial (RCT) evaluating the effect of mailed correspondence on legal resource uptake among households in eviction proceedings.
- Used Python to web scrape Virginia court data; created detailed and visually appealing reports using RMarkdown to communicate findings

### Massachusetts Institute of Technology

*Feb 2022 – Aug 2023*

*Technical Associate I, Sloan; PI: Dr. Tavneet Suri (Jan 2023 – Aug 2023)*

- Implemented a regression discontinuity design to analyze the effect of universal pension schemes in Kenya on several outcomes
- Wrote literature reviews, policy briefs on various topics including, social protection services in Kenya, trust in financial systems in developing countries, and network analysis

*Undergrad Research Assistant, Sloan; PI: Dr. Anna Stansbury (Feb 2022 – Jun 2022)*

- Used weekly reports from the US Census Bureau's Household Pulse Survey to create a novel dataset to study the impact of covid on the labor market participation rate
- Created regression models in STATA to test economic hypothesis on the reason for not working

## SKILLS & INTERESTS

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**Computing:** STATA, R, Python, L<sup>A</sup>T<sub>E</sub>X

**Languages:** English (native), Nigerian Pidgin (native), Igbo (elementary)

**Interests:** Korean Comic Books, Football (Soccer), Competitive Sudoku