

SOTAIRE KWIZERA

sotairekwizera@gmail.com | Phone: (859) 979-6935

[GitHub](#) | [Website](#) | [LinkedIn](#)

EDUCATION

Master of Development Practice

Goldman School of Public Policy, UC Berkeley

GPA: 3.90/4.00

Graduation: May 2027

Relevant Courses: Impact Evaluation, Decision Analysis, Modeling and Quantitative Methods, Economics of Sustainable Resource Development

Bachelor of Arts in Economics and Computer Science

Berea College, Berea, KY

GPA: 3.79/4.00

Graduated: May 2025

Relevant Courses: Econometrics, Applied Statistics, Data Analytics

SKILLS

- **Analysis & Programming:** Stata, R Studio, SQL, Python, Excel, Tableau, Jupyter Notebooks
- **Data & Quantitative Methods:** Fixed-Effects Panel Regression, Multivariate Analysis, Hypothesis Testing, Data Cleaning & Validation
- **Development Operations:** Policy-Relevant Analysis, Data for Decision-Making, Project Management, Technical Writing
- **Languages:** English (Advanced), French (Second-Native), Swahili (Business Proficiency), Kirundi (Native)

DEVELOPMENT PRACTICE & LEADERSHIP

Co-Founder & Lead Consultant

Self-Employment and Development Association (SEDA)

Sept. 2022 — Present

Muyinga, Burundi

- Spearhead **private sector development** initiatives in a **fragile context** in rural Burundi to **combat poverty** and **hunger**, overseeing the **agribusiness value chain** from poultry production to market access to enhance local livelihoods.
- Designed a sustainable revenue model, securing **10 million BIF** to promote food security and job creation, directly contributing to community resilience.
- Provide strategic oversight on operational activities and conduct remote bi-monthly capacity-building training to strengthen local management teams.

Associate Event Coordinator

African Students Association (ASA), Berea College

May 2024 — May 2025

Berea, KY

- Provided **logistical assistance** for campus-wide conferences and cultural meetings, managing venue coordination and resource allocation.
- Designed engaging events for events for ASA members and non-members and collected feedback to improve future programming.

RESEARCH & POLICY EXPERIENCE

Data Science Research Intern

Virginia Tech DSPG Program

May — July 2023

Blacksburg, VA

Title: "The Impact of Prenatal Flood Exposure on Newborn Stunting in Rural Bangladesh"

- Cleaned a dataset of **6,500 households** sampled from rural Bangladesh and matched health data with satellite flood imagery using **Stata, R Studio, and Python** to assess **climate vulnerability**.
- Modeled the long-term effects of environmental shocks on **human capital accumulation**, identifying a 4.73% increase in stunting rates among children at birth due to prenatal flood exposure to inform **disaster risk management** policies.
- Developed a user-friendly interactive web dashboard using R Shiny to present research findings, facilitating the dissemination of evidence-based policy recommendations to the public.

Graduate Research Project

UC Berkeley

Oct. — Dec. 2025

Berkeley, CA

Title: " *Urban Development Analysis: Housing Affordability & Inequality in California*"

- Conducted a **comparative regional analysis** of housing markets across 58 counties, utilizing ACS microdata to map the intersection of **demographic trends** and rent burden.
- **Drafted a policy review** evaluating the efficacy of state-level housing regulations (Prop 50, AB 1482) in mitigating affordability crises across diverse administrative regions.
- Quantified **socio-economic disparities**, identifying a statistically significant correlation ($p < 0.00001$) between commute infrastructure and housing stress to inform **sustainable urban planning** recommendations.

TEACHING EXPERIENCE

Graduate Student Instructor (Macroeconomics)

Political Economy Department, UC Berkeley

Oct. — Dec. 2025

Berkeley, CA

- Facilitated weekly discussion sections and office hours for 50+ students, clarifying complex macroeconomic models and grading problem sets.

Teaching Associate (Statistics & Macroeconomics)

Economics and Business Department, Berea College

Aug. 2022 — May 2025

Berea, KY

- Supported four semesters of coursework including Applied Statistics and Intermediate Macroeconomics Theories; provided personalized academic support and graded technical problem sets

CERTIFICATIONS

- Google Data Analytics Professional Certificate (06/01/2024 – N/A)
- CITI Basic Responsible Conduct of Research Certificate (04/05/2023 – 04/05/2026)
- CRLA International Tutor Training Program Certificate (05/01/2021 – 04/30/2026)