

STEPHANIE MECHAM

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EDUCATION

2017–2020

Master of Health Informatics

Master of Public Health in Global Health Epidemiology

University of Michigan | Ann Arbor

GPA: 3.815

2013–2016

Bachelor of Science in Microbiology

Minor in Women's Studies

University of Michigan | Ann Arbor

EXPERTISE

PYTHON | R | SAS | GIS | HTML5 | CSS | GIT | MATLAB/SIMULINK

EXPERIENCE

August 2018–Present

UNIVERSITY OF MICHIGAN DEPARTMENT OF BIOLOGY | Graduate Student Instructor

- Conduct and lead laboratory experiments for the University of Michigan's introductory Microbiology course for undergraduate students in STEM fields
- Teach students essentials of microscopy, biochemical analysis, and aseptic technique
- Grade and evaluate student performance in laboratory practicals and formal examinations

May 2018–Present

UNIVERSITY OF MICHIGAN DEPARTMENT OF OBSTETRICS & GYNECOLOGY | Data Analyst

- Conduct interviews, focus groups, and a discrete choice experiment among patients and providers in family planning clinics and emergency gynecological wards in Kumasi, Ghana to analyze contraceptive choice and quality of reproductive health counseling
- Develop and pilot a computer-assisted decision support tool for contraceptive choice
- Transcribe interviews, coded qualitative thematic data for concept analysis, and analyze via NVivo software
- Analyze quantitative data using hierarchical Bayesian estimation via Sawtooth CBC/HB software

October 2017–Present

THE CENTER FOR SEXUALITY AND HEALTH DISPARITIES | Research Assistant

- Conduct venue-based recruitment at nightclubs and gay bars to connect at-risk MSM and trans women in SE Michigan to a research study that provides free or reduced-cost STI screening, sexual health resources, and substance use interventions

January 2015–Present

UNIFIED | HIV/AIDS Test Counselor

- Provide caring and supportive HIV/AIDS counseling to patients getting tested, helping the patient navigate the results of their test and developing a plan to either minimize future risks or minimize the negative impact of an HIV+ diagnosis on their lives, relationships, and health

June 2015–October 2017

THE BRINERY | Research & Development Lead

- Developed a business-wide food safety and quality assurance protocol to become HACCP compliant and expand a local fermentation business into markets nationwide
- Performed essential laboratory techniques to ensure product quality and safety, including titrations, acid-testing, and fermentation analysis

HONORS/AWARDS

University of Michigan School of Information's Dean's Scholarship | University of Michigan School of Public Health's Dean's Scholarship | University of Michigan School of Information International Internship Grant | LSA Program Scholarship Recipient | LSA Global Experience Scholarship Recipient | Nine semester University Honors Award (GPA > 3.5)