

MARSHAE M. NICKELBERRY

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Objective: Senior Undergraduate Research Assistant at the University of Georgia seeking a Masters degree in Epidemiology following graduation in May 2020.

EDUCATION

University of Georgia

Athens, GA

Bachelor of Science: Environmental Health; **Minor:** Global Health; **Certificate:** Water Resources

Expected Graduation: May 9, 2020

Certifications: Laboratory Hazardous Waste Management, Introduction to Bloodborne Pathogens Training Completion

Awards: Dean's List (Dec. 2016-May 2018)

RESEARCH EXPERIENCE

❖ **CDC/Kennedy Krieger Institute MCHC/RISE-UP Program**

Scholar

May-Jul. 2020

- Maternal Child Health Career Research Initiative Program **CANCELLED DUE TO COVID-19.**

❖ **Department of Environmental Health Sciences, University of Georgia,
Supervisor: Dr. Kathy Xue, PhD; Dr. Jia Sheng-Wang, MD, PhD.**

Undergraduate Research Assistant

Mar. 2019- Present

- Currently support the analysis portion of the lab's project: "Aflatoxins and Child Nutrition in Asia and in Africa Through Tufts University"
- Conduct urinary FB₁ extraction protocols for samples and prepare samples for drying. Reconstitute samples and inject them into HPLC machines for additional sequencing.
- Run standard Creatinine assays, analyze assays with ELx808 Absorbance Microplate Reader. Generated standard curves for each assay, standardized creatinine levels and catalogued all data.
- Present reports to lab managers; discuss and review previous research articles and statistical data with graduate students for future study.

Research Thesis, in progress: a comprehensive literature review studying the validation of breast milk as a biomarker for AF1M1 exposure in children and lactating mothers.

Proposal is pending for approval.

- Amassed over 117 studies related to keywords "AF1M1 and breast milk," organized data via excel spreadsheets and presently working to incorporate findings into literature review.

❖ **Conservation Medicine and Wildlife Biology Program, Costa Rica**

Supervisor: Dr. Sonia Hernandez, DVM, PhD; Dr. Jennifer Bloodgood, PhD.

Study Abroad Participant

Jun.-July 2019

- Completed course work in Conservation Medicine and Conservation Biology under the instruction of Dr. Sonia Hernandez.

- Developed and worked on original research project “Leech Load and Parasitemia in Freshwater turtles of Costa Rica”. Applied the principles of epidemiology and drew inferences from experiments to support conclusions.
- Project sought to provide data on parasitemia in freshwater turtle populations in Costa Rica. Entailed sample collection, animal management, hematologic analysis for leukocytes counts, total solids and hemogregarines, statistical analysis, both surveillance and logging of ectoparasites, and data communication.

❖ **College of Public Health- Global Health Institute, University of Georgia**
Supervisor: Dr. Davis Olwell, PhD.

Undergraduate Research Assistant

Aug.-Dec.2016

- First year research assistant under the guidance of Dr. Davis-Olwell. Worked to develop project on the state of global food insecurity for attendees of the 2017 Georgia Regional American Mock World Health Organization Georgia conference.
- Conducted research, reviewed literature on food insecurity in the developing world, while also comparing international and domestic food aid.

PRESENTATIONS

- **University of Georgia Division of Academic Enhancement Summer Research Fair**, Athens, Georgia. “Parasitemia and Leech Load in Freshwater Turtles of Costa Rica”, July 2019
- **University of Georgia Study Abroad Research Symposium**, Monteverde, Costa Rica. “Parasitemia and Leech Load in Freshwater Turtles of Costa Rica”, July 2019
- **Providence College Undergraduate Research Conference on Health and Society**, Providence, Rhode Island. “The Role of Aflatoxins in Stunting: A Comprehensive Review.” April 2020. **CANCELLED DUE TO COVID-19**
- **University of Georgia CURO Undergraduate Research Conference**, Athens, Georgia. ““The Role of Aflatoxins in Stunting: A Comprehensive Review.” April 2020.

EMPLOYMENT

❖ **UGA Main Library, University of Georgia**
Supervisor: Eric Griffith

Reference Student Assistant

Jan. 2019-Present

- Provide technical support with printers, scanners, microfilm, and copy machines within the library for UGA staff, faculty and students.
- Work with patrons to locate books within the library and navigate the university’s library system’s resources.
- Research and answer questions both in person, over the phone and through online chatting site available to students and faculty. Questions mainly pertain to research, citations and references, and document retrieval.

❖ **Old Navy, Newnan, GA**
Supervisor: Kassie Reyes

Primary Cashier

Jun. 2016-Aug. 2018

- Staffed as primary cashier on register, later trained to perform cash handling duties,

which included balancing registers, handling input and output from company safe and managing petty cash.

- Engaged with customers, recovered the store and acted as necessary backup for merchandise processing.

LEADERSHIP

❖ Office of Academic Honesty and Student Appeals, University of Georgia Supervisor: Phillip Griffin, Courtney Cullen

Student Panelist

May 2017-Present

- Performs duties of a student panelist throughout the year on monthly academic dishonesty panels.
- Aid in load management for cases and sanctions.

Ambassador

July 2019-Present

- Supported the establishment of the inaugural student ambassador program for the office of academic honesty and student appeals by becoming an ambassador.
- Teamed up with other ambassadors during the academic year to address potential violations of the university's academic honesty policy and further promote the university's code of academic integrity amidst new and current students.
- Organized a student lead academic honesty week for Fall 2019 to provide key information on the code of academic honesty to students, faculty and staff. Developed, promoted and lead 2 events to engage the student body in innovative conversations regarding the university's "culture of honesty."

❖ College of Public Health, University of Georgia Director: Heather McEachern

Ambassador

May 2018-Present

- Represents the College of Public Health at various events, actively engages in recruitment initiatives.
- Available liaison for students to answer questions related to curriculum in undergraduate majors, opportunities and other aspects unique to CPH.
- Host selected students admitted to UGA participating in monthly Georgia Scholars Days to give an introduction into the college and provide tours.

❖ Bethel Campus Fellowship, University of Georgia Chapter

Leader

Aug 2018-Present

- Lead worshiper and guitar player for weekly bible study. Rotated teaching self-curated lessons at least once a month to the fellowship.
- Organizes evangelism and outreach events twice each month, which include event registration, event promotion and reports for BCF state evangelism department.
- Serves as point of contact for over 30 fellowship members throughout the duration of the year.

❖ Project Legacy, Athens, GA

Program Coordinator

Jan. 2017- Dec. 2019

- As a founding member of the organization, I aided the facilitation of the partnership between two local high schools in the Athens-Clarke community and Project Legacy, a

nonprofit organization who's mission is to "to increase representation of high school students from underprivileged and disadvantaged communities in the undergraduate programs." This was accomplished through mentorship and outreach.

- Planned biweekly meetings with 15 pre-selected students from each school based on various criteria outlined by our program.
- Developed outline for each meeting for review, and compiled external resources and packets to be given to each student

Mentor

- Met with scholars , to provide training and education on the various pathways available after graduating high school.
- Worked closely with those who were applying for college, providing guidance for summer research and internship opportunities.
- Steered additional students through one on one mentorship as they progressed through high school in preparation for graduation.

❖ **Girls in Healthcare, University of Georgia**

Mentorship Program Director

Jan.-Aug. 2018

- Developed 10 month outline for the launch of GHC's mentorship program for the 2018-2019 school year.
- Selected scheduled dates for meetings with Thomas Lay Middle School, communicated mentor requirements for interested participants and organized monthly social events for relationship building activities between mentees and mentors.
- Contributed to drafts of the organizations budget proposal with fundraising ideas and donation plans as it related to the mentorship program.

VOLUNTEER EXPERIENCES

❖ **Serve UGA, University of Georgia**

Volunteer

Aug 2016-May 2017

- Visited volunteering sites as team member for over 30+ hours. Actively engaged with SERVEUGA ambassadors to promote ServeUGA across campus.

SKILLS

- **Language:** Spanish (Working Proficiency) ; Upper intermediate knowledge of Latin
- **Computer:** Proficient in Microsoft Word; Excel; PowerPoint; RefWorks, EndNote, Web of Science, NCBI. Knowledge of STATA and SAS software programs