

SOFIA I. GONZALEZ

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EDUCATION

- University of Florida** – Gainesville, FL **2021-2025**
- Bachelor of Health Science and minor in Health Disparities
- University of Florida** – Gainesville, FL **2024-2026**
- Masters of Public Health with a concentration in Epidemiology

WORK EXPERIENCE

Pediatric Endocrinology Diabetes Research Assistant **2023-Present**
UF Health Pediatric Endocrinology – Gainesville, FL

- Responsible for contacting and recruiting prospective subjects to join study of concerning serum autoantibodies.
- Organize and inventory shipment kits for blood samples.
- Database management for all incoming blood samples.

Library Student Assistant **2021-Present**
Marston Science Library – Gainesville, FL

- Assists patrons with any library resource needs such as literature review, material rentals, and research support.
- Perform routine facilities management including environmental services, organizing library materials, basic computer support, and aiding librarians with any on-demand administrative tasks.

Babysitter **2019-Present**
Gainesville, FL + Orlando, FL

- Responsible for childcare services for ____ children over the past two years.
- Ensure emotional safety and well-being of children through attentive nurturing and fostering a positive and engaging environment.

Sweet Summer Macarons | Business Owner **2017-2023**

- Personally founded Sweet Summer Macarons which offers hand-crafted French delicacies, primarily for catered weddings and birthdays
- Developed own business and marketing strategy with own social media and website to expand footprint and reach.

Tutor **2019-2023**
Faith Christian Academy-Orlando, FL

- Taught elementary school students math and reading subjects
- Identified and targeted academic need of tutees
- Developed personalized instruction to enhance academic performance while cultivates a positive relationship and connection with become life-long learners

RESEARCH EXPERIENCE

UF Health Diabetes Research – Gainesville **2021-Present**
PI: Timothy P. Foster, MD

CV: S. I. Gonzalez

University of Florida, Department of Pediatric Endocrinology – Gainesville, FL

- Work as a research assistant collecting blood sample for analysis of A1C levels and its relationship to Type 1 diabetes development
- I am responsible for collecting blood samples, calling interested patients after visits, and sending out kits for Quest and Labcorp

UF Artificial Intelligence (AI) Scholar Program

2024-Present

PI: Rick Kates, PhD

University of Florida– Gainesville, FL

- The UF AI scholar program sponsors 50 students per year to conduct 15 weeks of research.
- I work with a team of other University Scholars on a project that aims to use AI for weather prediction models in concert with air quality analysis in order to communicate and disseminate relevant alerts to vulnerable populations (i.e. asthmatics). By leveraging established AI modeling methods to generate standardized alerts in real time and provide tailored guidance through existing portals, we hope to move help preventing and mitigate environment effects on respiratory disease.

PUBLICATIONS, ABSTRACTS, AND PRESENTATIONS

24th Annual Undergraduate Research Symposium

2023

PI: Rick Kates, PhD

University of Florida– Gainesville, FL

- Project Title: Hurricanes Increase Asthma Rates in Puerto Rico
- I presented our project which reported the prevalence of asthma and its correlation with hurricane rates in Puerto Rico across time. Our analysis demonstrated a strong relationship between asthma prevalence and wind gusts over the past decade, and serves as the basis for our AI predictive modeling project. We are in the process of writing a manuscript for publication.

36th Annual UF Public Health and Health Profession (PHHP) Research Symposium

2024

PI: Rick Kates, PhD

University of Florida– Gainesville, FL

- Project Title: AI Weather Systems and Asthma Management
- I presented our research focused on our group's development of an AI weather assessment and prediction tool that analyzes air quality alerts, with the goal of communicating crucial information to communities at risk. This multidisciplinary team is developing the AI model and sourcing appropriate datasets.

Pan-African Academy of Christian Surgeons (PAACS)

2024

PI: Grace Kim, MD

University of Michigan– Gainesville, FL

- Our team presented an abstract at the 60th annual West African College of Surgeons (WACS) 60th conference in Freetown, Sierra Leone.
- This research focuses on an international surgical curriculum review for resident surgeons working throughout Africa and the United States. This effort aimed to create a cohesive, standardized, and adaptable curriculum prepares general surgery residents to deliver high-quality care and pave the way for licensure reciprocity among trainees to meet the evolving demands of the profession globally.
- Title: Multi-National General Surgery Residency Curriculum Review: Steps Toward a Common Curriculum

CV: S. I. Gonzalez

LEADERSHIP

Greenhouse Youth Mentor Gainesville, FL	2023-Present
Greenhouse College Social Media Director Gainesville, FL	2022-Present
UF Scuba Club Graphic Designer University of Florida – Gainesville, FL	2023-Present

SERVICE

• Arab Culture Trip -Amman, Jordan	2023
• Hurricane Relief/Medical, ReachGlobal- San Juan, Puerto Rico	2019
• Children Ministry, ReachGlobal- Guadalajara, Mexico	2017
• Children Ministry, ReachGlobal- Managua, Nicaragua	2016
• Construction, ReachGlobal– Shanghai, China	2015

PERSONAL INTERESTS AND SKILLS

- Fluent in Spanish
- Graphic Designing
- Soccer
- Baking