

# Michelle Duong, MSPH

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## Education

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College of Public Health and Health Professions, University of Florida <i>Doctor of Occupational Therapy</i>	Gainesville, FL December 2024
Rollins School of Public Health, Emory University <i>Master of Science in Public Health, Epidemiology</i>	Atlanta, GA May 2020
College of Agricultural and Life Sciences, University of Florida <i>Bachelor of Science, Nutritional Sciences</i>	Gainesville, FL May 2018
College of Liberal Arts and Sciences, University of Florida <i>Bachelor of Science, Psychology in Behavioral &amp; Cognitive Neurosciences</i>	Gainesville, FL May 2018

## Technical Skills

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- Microsoft Word, Excel, Power Point, Access, PowerBI; Zotero; Tableau; SAS; R; REDCap; ArcGIS; SQL; Python; Canva; Salesforce
- ACE Certified Personal Trainer; First Aid/CPR/AED Adult and Pediatric Certified

## Work Experience

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Pace Center for Girls <i>Research Fellow</i>	Clearwater, FL October 2021-Present
<ul style="list-style-type: none"><li>• Developed a personal research project. Produced quarterly and final reports on assessing the self-efficacy of the girls involved with Pace. Examined factors associated with transitions to adulthood.</li><li>• Developed research and analytic reports describing emerging findings to support team members and program improvement. Contributed to implementing a Measurement, Evaluation, and Learning (MEL) framework that integrates program participants' perspectives</li><li>• Contributed to developing a repository of internal and external research, evaluation findings, historical data analyses, and resources on gender-responsive services, juvenile justice, child welfare, education, and comparable populations and programs.</li><li>• Conducted quantitative analyses (descriptive, exploratory, inferential, and predictive) using analytic tools (such as SAS and Python) and prepared reports for key stakeholders.</li></ul>	
Raise Leaders Nation <i>Athletic Development Lead   Project Coordinator   Instructor</i>	Boynton Beach, FL May 2014-May 2021
<ul style="list-style-type: none"><li>• Class instructor for all ages, including Little Tigers (ages 3-6), Youth Martial Arts (ages 6-11), after school kids in elementary and middle school, teenagers, and adults.</li><li>• Best moment: Watched one of my favorite kids (who has Cerebral Palsy) learn how to do a flying side kick. His doctors said that at birth, he wouldn't be able to walk. He sure proved them wrong.</li><li>• Co-created an online Zoom Taekwondo program/curriculum at the onset of COVID-19 to teach martial arts and athletic development. Ran classes for both kids and adults.</li></ul>	

- Assisted in the creation of a progressive web app to centralize information for students and track achievements using Python and HTML. Provided graphic design pieces to use within the webapp.

Iodine Global Network | Global Fortification Data Exchange  
*Data Management Analyst*

Clearwater, FL  
 June 2020-December 2022

- Prepared a report for the Bill and Melinda Gates Foundation on data analytics regarding food fortification and Standards setting.
- Examined the health impact of food fortification on the global population, especially as it relates to the impact of folic acid on neural tube defects.
- Created technical briefs in topics related to food fortification. Provided graphic design materials such as reports and infographics for dissemination.
- Analyzed, managed data on REDCap, and wrote Python scripts using REDCap API for the GFDx project.
- Improved website navigation and recommended changes to increase user accessibility.
- Managed and coordinated graduate student projects at Emory University.

Food Fortification Initiative | Global Fortification Data Exchange  
*Graduate Research Assistant*

Atlanta, GA  
 September 2018-June 2020

- Contacted countries to participate in an annual fortification survey of wheat flour, maize flour, and rice.
- Collected and evaluated 41 different countries' household surveys using SAS to calculate the prevalence of food consumption and determine which food item could be fortified with folic acid.
- Updated the Google Analytics Dashboard to oversee the progress of the GFDx website traffic.
- Analyzed fortification alignment to WHO recommendations for all countries using Excel and REDCap.
- Trained first year students on how to use REDCap.
- Created graph animations using R to be placed on website.

Special Olympics International  
*Research and Evaluation Intern*

Washington D. C.  
 May 2019-April 2020

- Interacted with many athletes with disabilities in the office and learned about their roles.
- Created fact sheets for different topics of research at Special Olympics based on data collected from the Healthy Athlete System (HAS) and existing literature.
- Developed SAS code for variable mapping to combine two databases into one data warehouse. Reviewed previously used variables to determine the need to carryover and used Tableau to display the results.
- Developed a personal research project. Created a report using the 5 most recent Special Olympics World Games data to compare athletes on the different health indicators. Used SAS to clean, analyze and create models to determine measures of association. Worked with over 100,000 observations. Used Tableau to create visualizations for the report.

University of Kentucky  
*Research Consultant*

Lexington, KY  
 May 2019-August 2019

- Assisted with a systematic literature review on the topic of opioid abuse and doctor shopping. Identified papers that met inclusion criteria and enter relevant data into the database. Created ERD for database.
- Assisted with data analysis, prepare for manuscript preparation and submission. Created flowcharts using Lucid Charts/Word. Used Tableau for data visualization to display on a poster.

Department of Health Outcomes and Biomedical Informatics, University of Florida  
*Undergraduate Research Assistant*

Gainesville, FL  
 August 2014-August 2018

- Created graphs and tables using Tableau and Excel and maintained citation databases in Zotero.
- Gathered and summarized data associated with controlled substance prescriptions for the Florida Department of Health. This included annually updated data prepared for the Drug-Related Outcomes Surveillance and Tracking (FROST) System.
- Collected wastewater during college football games, created tables and graphs in Tableau and Excel from laboratory results and prepared a poster and manuscript.
- Contributed to a CDC MMWR: Delcher C, Wang Y, Vega RS, et al. Carfentanil Outbreak — Florida, 2016–2017. MMWR Morb Mortal Wkly Rep 2020;69:125–129. DOI: <http://dx.doi.org/10.15585/mmwr.mm6905a2>

## Volunteer Experience

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GiGi's Playhouse Fort Myers October 2020-Present

- Volunteer Graphic Designer and Media Specialist.
- Attended fundraising events and participated in activities with people with Down Syndrome.

WE PLAY Atlanta November 2019-March 2020

- Shadowed and observed occupational therapists working with children through sensory therapy.
- Interacted with many different types of kids including children in elementary school who had autism and younger children who had an illness at birth.

Fit for All at Gainesville Health and Fitness May 2017-August 2017

- Exercised alongside adults with special needs. The workout included a resistance portion and a cardio portion. We logged their progress each time they worked out.

Fun & Fit Wellness Center at UF Health Pediatrics January 2017-August 2017

- Promoted a healthy lifestyle to children and teenagers that come into pediatrics by informing them about opportunities available in the city relating to exercise, nutrition, and sleep. Requested for surveys and encourage kids to partake in activities such as jumping rope, coloring the MyPlate sheet, and other crafts.

Central Pharmacy Department at Shands Hospital January 2015-August 2017

- Pulled and labeled syringes, separated, and measured tablets, sorted medications, prepared influenza packets, assisted with in-house picks, prepared crash carts.

## Scholarship

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| • Emory University Adopt-a-Scholar  | January 2020         |
| • University of Florida's Presidential Scholarship                              | August 2014-May 2018 |
| • Florida Academic Scholars Bright Futures Scholarship                          | August 2014-May 2018 |
| • Rae's Education Scholarship for Women   | May 2014             |
| • Diploma Recipient, International Baccalaureate, World School of Atlantic High | May 2014             |

## Publications

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- Tsang B, Stadnik C, **Duong M**, Pachon H, Martinez H. Expanding Fortification with Folic Acid: Thinking Outside of the Cereal-grain Box. BMC Nutrition 2021. (Submitted)
- Delcher C, Bae J, Wang Y, **Duong M**, Fink DS, Young HW. Identifying “Doctor shopping” with Dispensing Data: A Scoping Review of Definitional Criteria. Pain Medicine. 2021. (Submitted)
- Pachon H, Reynolds B, Childs L, **Duong M**, Kang Y, Luthringer C, Tsang B, Vasta F, Codling K. Potential Nutrient Contribution of Maize Flour, Oil, Rice, Salt and Wheat Flour Fortified according to National Requirements. Nutrients. 2020.
- Duong M**, Delcher C, Freeman P, Young A, Cooper H. Attitudes toward Pharmacy-Based HCV/HIV Testing Among People Who Use Drugs in Rural Kentucky. The Journal of Rural Health. 2020.
- Lemas DJ, Loop MS, **Duong M**, Schleffer A, Collins C, Bowden JA, Du X, Patel K, Ciesielski AL, Ridge Z, Wagner J, Subedi B, Delcher C. Estimating drug consumption during a college sporting event using wastewater-based epidemiology. Science of the Total Environment. 2020.
- Duong M**, Delcher C, Cooper H. Master’s Thesis. “Accessing Pharmacy-Based HCV/HIV Services Among People Who Use Drugs in Rural Kentucky.” Emory University. Atlanta, GA. May 2020.

## Research Posters

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- Duong M**, Codling K, Luthringer C, Pachon H, Tsang B, Vasta F. Poster Presentation. “The Global Status of Food Fortification – 2019.” Micronutrient Forum 5<sup>th</sup> Global Conference. November 2020.
- Vasta F, Codling K, Tsang B, Childs L, **Duong M**, Pachon H. Poster Presentation. “Availability of Compliance and Quality Data of Large-Scale National Food Fortification Programs.” Micronutrient Forum 5<sup>th</sup> Global Conference. November 2020.
- Tsang B, Codling K, **Duong M**, Luthringer C, Pachon H, Vasta F. Poster Presentation. “Highlighting Dysfunctions and Opportunities for Improvement in Mandatory Food Fortification Programs: Implications for Program Data.” Micronutrient Forum 5<sup>th</sup> Global Conference. November 2020.
- Tsang B, Stadnik C, **Duong M**, Pachon H, Martinez H. Poster Presentation. “Expanding Fortification with Folic Acid: Thinking Outside of the Cereal-Grain Box.” Micronutrient Forum 5<sup>th</sup> Global Conference. November 2020.
- Duong M**, Delcher C, Young A, Cooper H. Poster Presentation. “Accessing Pharmacy-Based HCV/HIV Services Among People Who Use Drugs in Rural Kentucky.” 2nd Annual Substance Use Research Day. Lexington, KY. March 2020.
- Duong M**, Lang J. Poster Presentation. “Understanding the Impact of Sports through Main Health Indicators in Special Olympic Athletes.” Emory University APE Poster Presentation Day. Atlanta, GA. October 2019.
- Delcher C, Young H, Fink D, **Duong M**, Wang Y. Poster Presentation. “Prevalence of “Doctor Shopping” for Controlled Substances: A Systematic Review of the Literature.” International Conference on Opioids 2019. Boston, MA. June 2019.
- Delcher C, Goldberger B, Reeves A, Lemas D, Collins C, Patel K, **Duong M**. Poster Presentation. “Wastewater Pharmacoepidemiology Results of a Feasibility Study at the Stadium.” University of Florida’s College of Medicine Celebration of Annual Research Day 2017. Gainesville, FL. February 2017.

## Other Activities

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### Powerlifting

March 2021-Present

- Trains regularly and participates in competitions.
- A few goals as it relates to powerlifting: become a Special Olympics Powerlifting coach and obtain the ACSM/NCHPAD Certified Inclusive Fitness Trainer certification

### Gator Brazilian Jiu-Jitsu at University of Florida

May 2015-May 2018

- 2016 Treasurer, 2017 Vice president
- Developed three jiu-jitsu/self-defense workshops

### Club Wrestling at University of Florida

May 2016-May 2018

- 2017 Vice president for UF's Men's Club Wrestling; President for UF's Women's Club Wrestling
- 2016-2017 NCWA National Runner up at 143 weight class; Academic All-American award