

Joscelin Rocha-Hidalgo, Ph.D.

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SKILLS

Grant Proposal Writing | Qualtrics | Tableau | R/R Studio | Python | SQL | REDcap | Filemaker | SPSS | STATA | EEG | ECG | MRI/fMRI | NIRS/fNIRS | Multilevel Modeling & Longitudinal Analysis | Topic Modeling & Natural Language Processing | Latent Profile | Non-Parametric Statistical Analyses | Poisson Models | Databrary

EXPERIENCE

Research Scientist

September 2022 – Present

Pennsylvania State University | Pennsylvania

- Supervises a **9-person team** in the execution of **2 NIMH-funded cross-sectional and longitudinal studies** designed to examine the development of anxiety in parents and children
- Analyzes intermodal data using **R & Python**: brain activity with **EEG & fNIRS**, attention via automated eye tracking, and behavior
- Integrates data from diverse sources using data validation to ensure data integrity when updating data sources

Consultant

July 2022 – January 2023

R for the Rest of Us | Remote

- Used **R** to automate and generate tables and graphs for the [2023 report](#) from the International Vaccine Access Center
- Managed and executed social media strategies to increase brand awareness and engage with the R programming community
- Managed the entire process of launching a new online course about "**Package Development with R**," from video editing and website updates to collaborating with the course instructor to ensure the course content was accurate and up to date

Graduate Research Scientist & Instructor

July 2017 – June 2022

Georgetown University | Washington, DC

- Mentored **5 Honor Students** and approx. **45 research assistants** through frequent communication, coaching, strategic direction, and one-on-one meetings to establish goals and assess progress
- Improved the laboratory's open-access guidelines by preregistering **7 studies and analyzes**, publishing **3 pre-prints**, and sharing scripts and datasets on sites such as *Open Science Framework (OSF)*, *GitHub*, and *Databrary*
- Authored **9 manuscripts** and **13 posters** presented at domestic and international scientific conferences

Consultant & Evaluator of Educational Community Engagement Programming

February 2020 – January 2022

WETA-TV 26 | Washington, DC

- Designed **English and Spanish surveys** and assessments for **4 intervention programs** aimed to enhance Hispanic and non-Hispanic parent-child relationships and communication
- Produced quantitative evaluations for **5 intervention programs** and created reports for the organization using **R**
- Advised team on topics about child development, parental education, statistical analyses, and intervention assessment

Project & Data Manager at the Early Learning Project

June 2016 – June 2017

Georgetown University | Washington, D.C.

- Developed protocols and executed a longitudinal study following up **approx. 200 children** from 1.5 to 5 years of age
- Supervised and trained a team of **15 Research Assistants** Performed statistical analyses using **SPSS** and **R**
- Collaborated and participated in **4 interviews** with Tina Plaza-Whoriskey, and Dr. Alicia Torres at **Child Trends**, in partnership with **Ivanhoe Broadcast News**, to [communicate science](#) to bilingual families

EDUCATION

Doctor of Philosophy in Psychology [Lifespan Cognitive Neuroscience] - Georgetown University

Master of Arts in Psychology - Georgetown University

Bachelor of Arts in Psychology and Child & Family Studies (French Minor) - Berea College

EQUITY, DIVERSITY, & INCLUSION INITIATIVES

[BlackinPsych](#) Organization – **Co-Founder and Director of Finances & Fundraising**

October 2020 – Present

International Society of Developmental Psychobiology 1st EDI Committee – **Committee Member**

November 2021 – Present

Georgetown Psychology 1st EDI Committee – **Graduate Student Representative**

August 2020 – June 2021