

Ian A Dalton

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TECHNICAL & RESEARCH SKILLS

- Python, R, SAS, MySQL, SPSS, Matlab
- Windows, Mac OS, *NIX systems
- Git, Bash shell, Windows command-line
- Experimental design
- Data analysis
- Project management

EXPERIENCES

Database Coordinator Learning & Longevity Research Network | Orlando, FL **2017 – Present**

Building, supporting pipelines for data wrangling with Python and data analysis with R, for various experiments, employing packages such as:

- tidyverse ggplot car sjstats (R)
- pandas numpy scipy sklearn matplotlib (Python)

Overseeing upkeep of community participant database for aging research, coordinating recruitment efforts of several research teams from database participant pool.

Devising, enforcing security, data protection, and confidentiality standards.

Senior Lab Manager Adult Development & Decision Lab | Orlando, FL **2015 – Present**

Managing a dynamic team of researchers in an intimate, startup-style environment and culture, overseeing ongoing recruitment, training, and supervision of lab personnel.

Spearheading psychometric and neuroimaging experiment development in Python, MATLAB, and E-Prime 2.0 with an eye for balance between user experience and measurement goals.

Designed protocols ensuring safe, secure storage and handling of biomarker samples and datasets containing contact and protected health information collected from human subjects.

Research Associate Institute on Aging | Gainesville, FL **2016 – 2018**

Acted as the primary data collection lead on a collaborative MRI study of brain dynamics in consumer decision making.

Designed, developed purpose-built stimulus set and developed scripts for stage-1 behavioral data preparation, neuroimaging quality-assurance, and preliminary analysis.

Research Assistant Applied Cognition and Technology | Orlando, FL **2013 – 2015**

Structured data entry for various projects encoding behavior frequency and memory response consistency encoding.

Psychometric test administration for various projects validating spatial ability measures and investigating social and cognitive metrics.

EDUCATION

Bachelor of Science University of Central Florida **2014**

Psychology | Cognitive Sciences

Major GPA 3.7 | Minor GPA 4.0

Psi Chi Honors Society | President's List | Dean's List

HONORS & CERTIFICATIONS

- Eagle Scout
- President's List, Dean's List
- Psi Chi Honors Society
- HIPAA & Privacy for Researchers
- FERPA Educational Administrators
- CITI Biomedical Responsible Conduct of Research