Ian A Dalton

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TECHNICAL & RESEARCH SKILLS

- Python, R, MySQL, SPSS, Matlab
- Windows, macOS, *NIX systems
- Git, Bash shell, Windows command-line

- Experimental design
- Data analysis
- Project management

EXPERIENCES

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.

Building and supporting automated 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)`

Spearheading psychometric and neuroimaging experiment development in various software implementations 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.

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

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

Devised and documented best-practice protocols and trained research teams to use the available tools and query methods to obtain contact information for participant recruitment.

Devising and enforcing security, data protection, and confidentiality standards for the contact database, including establishment of recruitment and scheduling protocols.

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 and developed a purpose-built stimulus set and developed scripts for first-stage 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