

# Ian A Dalton

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## TECHNICAL & RESEARCH SKILLS

- Python, R, MySQL, SPSS, Matlab
- Windows, Mac OS, \*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 automatable 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