

IAN A DALTON

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SKILLS

- **Technical Skills:** Python scientific stack (*pandas, numpy, scipy, scikit-learn, matplotlib*), RStudio (*tidyverse, ggplot2*), MS-SQL, SPSS, Excel, MATLAB, Git, Bash, PowerShell, E-Prime 2.0/3.0, Qualtrics, REST APIs, Databricks, Google Cloud Platform, Docker
- **Research Skills:** Experiment design, Data collection, Data analysis, Project management

EXPERIENCE

Data Analyst Simpluris | Orlando, FL

NOV 2019 – PRESENT

- Ingesting data via ad-hoc pipeline development in addition to manual wrangling, requiring frequent presentation to and communication with internal non-technical partners.
- Spearheading internal Python pipeline and tool development with the goal of modernizing the team's toolset, daily workflows, and capacity.
- Experimenting with naïve classification models to inform decision making on production data.
- Automating outdated processes as needed to relieve pressure on other parts of the operations team.

Data Science Fellow SharpestMinds | Orlando, FL

JUL 2019 – PRESENT

- Leveraging Reddit API and other text mining tools to model online social communities
- Developing an end-to-end toolset for jargon detection and analysis
- Using NLP methods to analyze social media usage of topic-specific jargon
- Collaborating with former Head of Data at Pebble.

Senior Lab Manager Adult Development & Decision Lab | Orlando, FL

OCT 2015 – FEB 2019

- Managed a dynamic team of up to 12 researchers - PhD students and undergraduate assistants - in an intimate, startup-style environment, overseeing recruitment, training, and supervision of personnel.
- Built automated pipelines with Python and R, to extract and wrangle data from experiment software and survey measures, process the data to prepare for analysis, and generate regular analysis reports.
- Spearheaded psychometric and neuroimaging experiment development in field-standard software for controlled delivery of information and stimuli to human subjects, with an eye for balance between user experience and measurement goals.
- Designed protocols ensuring safe and secure storage and handling of biomarker samples and datasets containing protected health information and identifiable contact information.

Database Coordinator Learning & Longevity Research Network | Orlando, FL

JAN 2017 – JAN 2019

- Managed upkeep of a community participant database for aging research, coordinating recruitment efforts between 9 distinct research teams from shared participant database.
- Implemented best-practice protocols and trained research teams to use the available tools and query methods to obtain contact information for participant recruitment.
- Designed and streamlined security, data protection, and confidentiality standards for the contact database, including establishment of recruitment and scheduling protocols.

Research Associate Institute on Aging | Gainesville, FL

JAN 2016 – OCT 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 behavioral data preparation, MRI data quality assurance, and preliminary analysis.

EDUCATION

Bachelor of Science University of Central Florida

MAY 2014

Psychology | Cognitive Sciences

Major GPA 3.7 | Minor GPA 4.0

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