

June 29, 2023

**Christopher Scott Friedman**

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**Professional Experience**

**Center for Data Driven Discovery in Biomedicine, Children's Hospital of Philadelphia**

Philadelphia, PA

Academic center supporting pediatric brain tumor research through development of cutting-edge data platforms to facilitate and accelerate large-scale genomic research.

Data Integration Analyst II

(April 2021 - present)

- Write pipeline to ETL clinical data for submission of associated genomic data to NIH data stores.
- Build new database schemas for warehousing AWS S3 inventory.
- Contribute to documentation of APIs and DBT data models.
- Collect and analyze AWS use data to decrease storage costs for the Center.

Data Integration Analyst I

(December 2019–April 2021)

- Scripted ingest of clinical data for over 15,000 participants into a data warehouse.
- Built tools to scrape cloud databases, inventory AWS accounts, and upload data to a cloud data warehouse.
- Maintained python libraries containing team-wide utilities for interacting with team applications.

**A.J. Drexel Autism Institute, Drexel University, Philadelphia, PA**

*Institute within Drexel performing research with and delivering interventions to children and adults on the autism spectrum. Worked on a team focusing on social networks in autism.*

Data Analyst

(January 2017–November 2019)

- Designed and disseminated reports monitoring data quality for multi-site study.
- Developed analysis pipelines and communicated results for 17 publications.
- Implemented new strategies for transforming app-usage data into social-network data.
- Trained new laboratory members on data collection and social network analysis.

**Creativity Research Laboratory, Drexel University, Philadelphia, PA**

*Laboratory using novel brain-scanning technologies to study the roots of insight and creativity.*

Laboratory Assistant

(September 2015–July 2017)

- Designed two studies measuring brain activity and driving performance in a driving simulator.
  - Performed data quality assessment and improvement using Matlab.
  - Implemented new brain-wave detection methods using open-source hardware and signal processing software.
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**Education**

**Georgia Institute of Technology**, Atlanta, GA, Anticipated Graduation May 2025,

Masters of Science in Analytics

**Drexel University**, Philadelphia, PA, December 2016

Bachelor of Science in Psychology, *cum laude*, Minors in Philosophy and in Bioscience

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**Skills**

**Key Technical Programs and Skills:**

Python, PostgreSQL, R, MongoDB, HTML/CSS, SPSS, Matlab, Qualtrics, Redcap, AWS, Vim, Google Analytics, Microsoft Office, Google Productivity Suite, ORA, SPM, OpenBCI.

**Statistical Methodology:**

Linear Regression, Time Series Analysis, Experiment Design, Social Network Analysis, Latent Space Modeling.