

## Education

M.S. Computer Science – Georgia Institute of Technology – 2021-present

M.A. Linguistics – University of Southern California – 2012-2015

B.A. Linguistics, B.A. English/Creative Writing – University of California, Los Angeles – 2006-2011

Master's Student & Researcher | Georgia Institute of Technology (remote) January 2021 to present

- Completing master's coursework in computer science, specializing in interactive intelligence
- Designing and carrying out studies of student outcomes and opportunities
- Completed courses: artificial intelligence, ethics, human-computer interaction, artificial intelligence for robotics. In progress: artificial intelligence in video game design.

Data Scientist | Spotify June 2021 to August 2023

- Launching new features through A/B testing and inferential modeling
- Designing and creating a comprehensive set of analytics-facing datasets for the product area
- Notable achievements: Helped successfully launch features reaching millions of Spotify users

Data Scientist | Hulu January 2021 – May 2021

Analyst | Hulu October 2019 – December 2020

- Building and maintaining time-series financial and subscriber forecast models
- Developing web applications to allow users to visualize and self-service use of these models
- Notable achievements: Brought tools for marketing mix models in-house; won a company hackathon using social media and viewership time series data for anomaly detection and insights

Data Scientist | Magid April 2019 – October 2019

- Analyzed data on emotions, behaviors, and attitudes related to TV and movie viewership
- Developed client-facing web apps for reporting and data visualization
- Notable achievements: Designed and managed experimentation around viewer experience and data quality, and made UI improvements to the web apps that were the main business product

Statistical Programmer | Murphy Research June 2016 – April 2019

- Performed statistical analyses for research studies, including regression, clustering, decision trees, optimization searches, PCA/factor analyses, and sentiment analysis
- Developed data visualization web apps and dashboards for client use
- Notable achievements: Grew the team from two to five members, bringing statistical analysis and software engineering completely in-house; created in-house libraries to automate reporting

Independent Consultant June 2015 - June 2016

- Assisted in testing, data collection, visualization, and modeling for speech tech and accessibility
- Notable achievements: Received positive feedback from clients including Appen and Facebook

## Skills

Python | R | SQL | HTML/CSS | JavaScript | Java | Matlab | C# | git | package development | documentation | testing | OOP | data pipelining | data warehousing | DBT | experimentation | statistics | forecasting | data visualization | dashboarding | Tableau | web development | Shiny | Dash | Streamlit

Website [www.aftoncoombs.com](http://www.aftoncoombs.com) | [www.github.com/aftonsteps](https://www.github.com/aftonsteps)