Alyssa Fowers

Education

University of Miami, Miami FL   August 2018-December 2019
Coursework towards MFA in Interactive Media, specializing in data visualization
Coursework in Research, Measurement, and Evaluation

Duke University, Durham, NC   May 2013
B.A. with Distinction in Psychology, Magna Cum Laude
Honors: Phi Beta Kappa

Work experience

Graphics Reporter
The Washington Post, January 2020-present
- Analyzes data, designs graphics and writes stories for data-related news coverage
- Collaborates with reporters from health, business, and local desks to add data analysis, charts, and maps to news stories
- Coauthors a series of articles covering mental health during the pandemic
- Produces same-day graphics, analysis, and articles for unemployment and jobs reports

Cofounder of Data Visualization and Infographics Consulting
University of Miami Center for Computational Science, August 2019-December 2020
- Provided guidance to student and faculty about data visualization projects
- Gave guest lectures and trainings about data visualization at the University of Miami

Data Science for the Public Good Graduate Fellow
University of Virginia Biocomplexity Institute, Summer 2019
Funded by the National Science Foundation's National Center for Science and Engineering Statistics
- Developed new techniques to analyze supply and demand in the skilled technical workforce
- Identified federal funding for science and engineering through publicly available administrative data
- Managed two research projects and mentored three undergraduate interns

Research Assistant in the University of Miami School of Education
Research assistant to Dr. Soyeon Ahn, August 2018-December 2018
Research assistant in the Florida Center for Research into STEM, January 2019-May 2019
- Used multilevel modelling to analyze data from the first randomized control trial of teacher training in Cognitively Guided Instruction
- Programmed a simulation in R to investigate dependency in second-order meta-analysis

Data Manager at BBYO, a Jewish youth service nonprofit
November 2016-July 2018
- Managed staff and consultants for an on-time and under-budget Salesforce implementation
- Defined metrics for success and established reporting across internal, board, and grant reports
- Provided quantitative data in support of grants totaling over $15,000,000
- Designed surveys for international programs to improve survey length, quality and response rate

Consultant at Acumen Solutions
Consultant, June 2013-January 2016
Senior Consultant, January 2016-November 2016
- Analyzed large-scale customer feedback datasets to uncover insights into customer experience
- Interfaced between clients and development teams to ensure business intelligence solutions met user needs
- Implemented Clarabridge, a text analytics software solution, with 20+ companies and trained 100+ clients in its use
- Managed a team of seven consultants to create a Salesforce database for a literacy nonprofit

Independent Data Visualization
- Author of Data and Dragons, a data visualization blog
  - Viewed more than 6,000 times in 2019
  - Featured on Flowing Data, the Global Investigative Journalism Network (March 2019, August 2019), Data Elixir, and Andy Kirk's Best of the Visualization Web (January 2019, March 2019), December 2019
- Creator of Points of Light, an interactive data visualization project covering three years of protests in America
  - Malofiej Gold winner in the Student category
  - Featured in Andy Kirk's The Little of Data Visualization and in AnyChart's weekly roundup alongside stories from Bloomberg, the New York Times, and Reuters
  - Winner of Computation + Journalism's student data visualization contest
- Cofounder of Data Visualization and Infographics Consulting at the University of Miami
- Two pieces longlisted in the 2019 Kantar Information Is Beautiful Awards ("Running Hot and Cold" and "Making the University of Miami School of Architecture")
- Interviewed on episode #146 of the PolicyViz Podcast with Jon Schwabish and episode #52 of Data Viz Today with Alli Torban

Technical Skills

Statistical and analytics tools: R, Mplus, SPSS
Graphics and layout: Adobe Illustrator, Adobe InDesign
Web development: HTML, CSS, JavaScript, D3.js
Other: ArcGIS, Salesforce.com