

KATE DOWDY

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A truth-seeker at heart, my passion is finding real and hidden patterns in the world and bringing them to light. I revel in exploring the unexpected and finding inventive ways to tell stories through data.

RELEVANT EXPERIENCE

Completed a full-time Data Science Immersive course through General Assembly focused on real-world applications of data science principles, including: data acquisition, cleaning and wrangling; predictive modeling; and visualization strategies. Developed a portfolio of individually and collaboratively focused in-class projects, including:

- ▶ Developing a linear regression model to predict housing prices in Ames, Iowa from 2006-2010 for an internal Kaggle competition (placed 7th out of 90).
Tools used: Python, Pandas, Scikit-learn, Matplotlib, Seaborn.
- ▶ Scraping Reddit to compare the content, tone and style of the 'AskFeminists' and 'MensRights' subreddits through natural language processing and classification.
Tools used: Python, Pandas, NLTK, Scikit-learn, BeautifulSoup.
- ▶ Leading a team on a client project to conceptualize and prototype an early natural disaster alert system by analyzing patterns in social media using Twitter's API.
Tools used: Python, Pandas, NLTK, Scikit-learn, Selenium, BeautifulSoup.

PROFESSIONAL EXPERIENCE

Springboard Enterprises, Washington, DC

Nov. 2017 - Jul. 2018

Program Manager

- ▶ Managed the selection of 15 life science entrepreneurs out of a pool of 40+ applicants for an elite, national program for growing women-led businesses.
- ▶ Recruited 100+ investors and industry experts in life sciences & digital health to attend national showcases and serve as advisors for accelerator program participants. Developed systems for monitoring programs and mapping resources across the organization.

Association for Career & Technical Education, Alexandria, VA

Mar. 2013 - Oct. 2017

Director, Leadership & Awards / Program Manager / Coordinator

- ▶ Directed leadership development and governance activities for a 23,000-member trade association. Led organization-wide strategic planning process and identified and tracked metrics for evaluating progress on milestones.
- ▶ Directed and redesigned a national, multi-tiered awards program for 40+ state chapters. Implemented online application process, research-based assessment, prestigious winner spotlights and revamped annual dinner for 400+ attendees that was keynoted by two Obama Administration cabinet members. Resulted in a 50% increase in nominations and doubled sponsorship revenue.
- ▶ Designed and spearheaded creative data-driven initiatives, including a grassroots leadership development program that attracted 300+ educators and a sponsored student contest to design the 3D-printed award trophies which garnered 75 entries in its first year and 400 the second year.

Apollo English, Hanoi, Vietnam

Dec. 2011-Nov. 2012

Teacher (ESL / EFL)

- ▶ As a first-year instructor, successfully expanded from one to three language centers in the span of a year while teaching English to corporate clients and students of all ages and proficiencies.

SKILLS

Regression / Classification-Based Modeling

Natural Language Processing (NLP)

Data Cleaning / Exploration

Machine Learning

Data Extraction / Webscraping

Visualization / Analysis

Program Management

Partner Relations

Strategic Planning

Budget Development

Languages & Tools:

Python

Pandas / NumPy / SciPy

Scikit-learn / StatsModels

NLTK / TextBlob

BeautifulSoup / Selenium

Matplotlib / Seaborn

HTML

SQL

EDUCATION

Data Science Immersive

General Assembly
Washington, DC
Nov. 2018 - Feb. 2019

135-Hr TESOL Certificate

LADO International College
Washington, DC
May 2011 - Jun. 2011

BA, Economics

College of William & Mary
Williamsburg, VA
Aug. 2006 - May 2010