

SKILLS

PYTHON: Scikit-learn, pandas, NumPy, Beautiful Soup, Vader, spaCy, Regex, XGBoost, Tensorflow

DATABASES: SQLite, MySQL, PostgreSQL, Salesforce, Excel

DATA VISUALIZATION: Matplotlib, Seaborn, Plotly

CLOUD SERVICES: Google Cloud Platform

DEVELOPMENT ENVIRONMENTS: Jupyter Labs, Visual Studio Code

EXPERIENCE

Metis

Data Scientist · June 2020 to Sept. 2020 · New York, NY

Completed an immersive 12-week data science bootcamp focused on Python, programming, data analysis, statistical modeling, machine learning and visualization techniques. Project details include:

Put Me in Coach!

- Scraped final statistics for 23 seasons, 1997 to present day, for every WNBA player using data from Sports Reference to scrutinize the determining factors of court time for WNBA Players
- Cleaned data, engineered new features and ran a linear regression in search of surprising playtime correlations
- **Tools: Beautiful Soup, NumPy, pandas, scikit-learn, Matplotlib, Seaborn**

Is the Game Really Unfair or Is It All in Your Head?

- Combined dataset of 100,000 matches from game developer's API with live play statistic aggregators in order to gain statistical proof that certain games have a poor video game design
- Created a classifier to examine if the team that gets an early advantage is unfairly rewarded
- **Tools: GCP (Cloud Storage and Compute Engine), pandas, scikit-learn, XGBoost, Matplotlib, Seaborn**

What People Say When They Can Really Be Themselves

- Used Reddit's API to retrieve posts and comments in various subreddits related to eating disorders to uncover linguistic patterns
- Preprocessed text and discovered topics and for comparing subreddits' attitudes through trends in language
- **Tools: Google Colab, Regex, Spacy, pandas, scikit-learn, Plotly, PRAW (Reddit API Wrapper)**

Detecting an Imposter

- Designed an AI That Can Bluff and Sniff Out Imposters in the Board Game "The Chameleon"; created similarity scores with universal sentence encoder between game language and a word bank for the AI
- Created strategies for the A.I. to bluff in ways that would not stick out from human players and detect other frauds
- **Tools: Google Colab, Google Compute Engine, Google Storage, Tensorflow, Universal Sentence Encoder NumPy**

Type Zero Foundation

Director of Operations · Mar. 2018 to Current · Orlando, FL

- Led staff education and transition of scheduling, internal communications, and project management to Bitrix24
- Responsible for data collection and organization of COVID-19 financial relief program
- Co-designed and managed internship program with Executive Director and worked one-on-one work with interns

National Eating Disorders Association

Helpline Associate · Jan. 2020 to June 2020 · New York City, NY

- Trained, supervised and provided ongoing coaching for 60+ volunteers in phone, chat, and treatment search team
- Managed Salesforce database and collaborated with I.T. to improve workflow while protecting sensitive information
- Made changes to program's data collecting practices to improve quality of data and adhere more closely to mission
- Represented NEDA with public facing roles at both on-site and live streamed events

Ruffalo Noel Levitz

Supervisor · Jan. 2018 to Dec. 2019 · New York City, NY

- Led redesign of policies, employee handbook, and instructional material
- Interviewed applicants, trained new hires, and administered employee time sheets
- Supervised a staff of 90+ and ran the floor on weekends when Director and Campaign Manager were off-site

EDUCATION

New York University
B.F.A. Theatre