

## Education

### Washington University in St. Louis

#### Bachelor of Arts, 2016

Major: Psychological & Brain Sciences

Minors: Marketing, Music

## Skills

**Coding Languages:** Python 3, SQL, JavaScript, HTML, Regex

**Database Management:** AWS, MongoDB, PostgreSQL

**Data Visualization:** Tableau, D3.js, Matplotlib, Plotly, Seaborn, Gephi, Microsoft Excel

**Analysis & Modeling:** Scikit-Learn, Imbalanced-Learn, Pandas, Numpy,

Facebook Prophet, NLTK, Gensim, NetworkX

**Web Scraping:** Scrapy, BeautifulSoup, Requests

## Data Certifications

### Metis Chicago, IL Data Science Bootcamp Certificate Sept. 2018 to Dec. 2018

- 12-week ACCET-accredited full-time data science course with a project-based curriculum.
- Underwent advanced training in Python, database management, statistics, and machine learning.
- Executed five projects that each required data collection, analysis, modeling, visualization, and presentation.

### Metis Online Machine Learning & Artificial Intelligence Principles Certificate July 2018 to Sept. 2018

- 5-week ACCET-accredited course developing an intuitive and practical understanding of machine learning algorithms.

### General Assembly Seattle, WA Data Analytics Certificate Feb. 2017 to Apr. 2017

- 10-week course developing advanced analytical skills using Microsoft Excel, PostgreSQL, and Tableau.
- Practiced cleaning, aggregating, and joining large datasets to make critical decisions.
- Created dashboards and presentations to communicate data-driven insights.

## Employment

### HigherEducation.com Seattle, WA Marketing Analyst Feb. 2017 to Feb. 2018

- Used PostgreSQL to build target segments for 10 email marketing campaigns per week.
- Wrote macro functions with Keyboard Maestro to automate the marketing workflow, increasing production by 100%.
- Delivered monthly quantitative reports to assess progress and set benchmarks for email marketing campaigns.

### Columbia City Theater Seattle, WA Data and Marketing Intern Aug. 2016 to Dec. 2016

- Performed A/B testing to optimize the performance of 50 ad campaigns.
- Determined website changes to improve visibility and accessibility.
- Began a weekly social media promotion that doubled impressions and increased new follower rates by 350%.

## Highlighted Projects

### Interactive Time Series Modeling

- Developed an interactive data visualization tool in Javascript with D3.js to predict gun violence across the US.
- Used Facebook Prophet to generate time series models with varying degrees of complexity.
- Built an ETL pipeline in Python to scrape new data points and integrate them into the data tool.

### Strategy Game Development

- Developed two computer game versions of the classic board game "Mastermind."
- Version 1 developed in Python for the command line using object-oriented programming.
- Version 2 developed in Javascript with D3.js for both desktop and mobile use.

### Natural Language Processing

- Converted "Les Propheties" by Nostradamus into numerical data using NLTK and Scikit-Learn's TF-IDF vectorizer.
- Extracted three primary topics from the text using Scikit-Learn's Truncated SVD method.
- Enabled visualization by reducing topic distributions into two principal components using Scikit-Learn's PCA method.