

EDUCATION

FLATIRON SCHOOL OF NEW YORK

Data Science Bootcamp • September 2020 – January 2021

Comprehensive data science curriculum comprised of lectures, exams, blogging, and projects

PROJECTS

- **Food Insecurity Projection** – completed a final capstone project using neural networks, XGBoost, and linear regression to predict & map food insecurity rates in the US
- **Music Label Song Recommender** – built a recommendation system using cosine similarity, k-means clustering, and PCA to suggest similar songs from a music label
- **Rock Song Classifier** – built a Spotify song era classifier by using logistic regression, KNN, decision trees, ensemble methods, and gradient boosting
- **Housing Price Prediction** – built the *winning* regression model that predicts house prices in Kings County, WA

UNIVERSITY OF MICHIGAN SCHOOL OF INFORMATION

Bachelor of Science • 2014 – 2018

COURSEWORK

- **Data Manipulation** – web-scraping, API protocols, SQL queries, code optimization
- **Data Exploration** – data analysis & visualization
- **Statistics Fundamentals** – probability distributions, statistical testing
- **Calculus 2** – Integrals, differential equations, parametric and vector functions, limits
- **Web Applications** – full stack web development using PHP and MySQL

EMPLOYMENT

AMAZON WEB SERVICES

Solutions Architect • Area of Depth in Analytics • August 2018 – Present

RESPONSIBILITIES

- Maintain technical proficiency of the entire AWS platform
- Provide prescriptive architectural guidance for customers through calls, whiteboarding, presentations, and product demonstrations
- Deliver workshops to customers groups of 5-100+
- Create and revise AWS technical content such as presentation decks and workshop labs

CONSULTING FOR STATISTICS, COMPUTING, AND ANALYTICS RESEARCH

Data Science Intern • Summer 2017

- Wrote and taught data analytics workshops to groups of 25+ students
- Wrote daily ETL scripts and managed SQL databases to assist CSCAR consultants

WEST QUADRANGLE RESIDENCE HALL

Resident Adviser • Fall 2017 – Spring 2018

- Conducted meetings for 43 residents to relay info & ensure adherence to dorm policies
- Calculated costs, organized supplies, and publicized events for 435 dorm residents

UNIVERSITY OF MICHIGAN TRANSPORTATION RESEARCH INSTITUTE

Data Quality Assistant • Summer 2017

- Hand-labeled raw video files according to target variables of the study
- Performed quality assurance tasks on Excel Spreadsheets and SQL Server Database

SLEEP & CHRONOPHYSIOLOGY LABORATORY • U OF M DEPRESSION CENTER

Research Assistant • Summer 2015

SLEEP CLINIC AND TESTING LABORATORIES • DOMINO'S FARMS

Research Assistant • Summer 2015

TECHNICAL STACK

PROFICIENT

Python, SQL, HTML & CSS

FAMILIAR

JavaScript

TOOLS

Pandas
NumPy
Matplotlib & Seaborn
Scikit-Learn
Statsmodels
BeautifulSoup
Folium GIS Mapping
PySpark ML

AWARDS & CERTIFICATIONS

AWS BIG DATA SPECIALTY

Fall 2019

DEAN'S LIST

Winter 2017 • Winter 2015

NATIONAL MERIT

SCHOLARSHIP COMPETITION

Commended 2014