

EDUCATION

FLATIRON SCHOOL NEW YORK

Data Science Program • September 2020 – Present

CURRICULUM

- **Statistics** for data science (probability theory, statistical distributions, hypothesis testing)
- **Supervised learning** algorithms including linear regression, logistic regression, KNN, decision trees, ensemble methods, and gradient-boosting
- **Unsupervised-learning** techniques such as k-means clustering, hierarchical agglomerative clustering, and dimensionality reduction using PCA
- **Advanced topics** in time-series analysis, text-vectorization, distributed computing, recommendation systems, and convolutional neural networks
- **Model evaluation** using scoring metrics and feature importance

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 AWS platform (compute, databases, storage, security, networking, analytics, AI/ML, and IoT)
- 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

- Write and teach data analytics workshops to groups of 25+ students
- Write daily ETL scripts and manage SQL databases to assist CSCAR consultants

WEST QUADRANGLE RESIDENCE HALL

Resident Adviser • Fall 2017 – Spring 2018

- Conduct meetings for 43 residents to convey info & ensure adherence to dorm policies
- Calculate costs, organize supplies, and publicize events for 435 dorm residents

UNIVERSITY OF MICHIGAN TRANSPORTATION RESEARCH INSTITUTE

Data Quality Assistant • Summer 2017

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

SLEEP & CHRONOPHYSIOLOGY LABRATORY • 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

LIBRARIES

Pandas

NumPy

Matplotlib & Seaborn

Scikit-Learn

Statsmodels

NLTK

BeautifulSoup

Folium

PySpark ML

AWARDS & CERTIFICATIONS

AWS BIG DATA SPECIALTY

Fall 2019

DEAN'S LIST

Winter 2017 • Winter 2015

NATIONAL MERIT SCHOLARSHIP COMPETITION

Commended 2014