

## EMPLOYMENT

### AMAZON WEB SERVICES

#### Solutions Architect • August 2018 – Present

- **Maintain deep technical understanding of the AWS platform** (HPC, Databases, Storage, Security, Networking, Analytics, AI/ML, and IoT)
- **provide prescriptive architectural guidance for customers** (calls, whiteboarding, .ppt presentations, Proof-of-Concept demonstrations)
- **deliver workshops** for customers groups of 5-100
- **create and revise AWS content** (.ppt decks, CloudFormation stacks, workshop labs)
- **area of depth in big data services** – S3 (data lakes,) Glue (ETL,) Redshift (Data Warehouse,) Athena (Ad-hoc SQL,) Kinesis (data streaming,) and Quicksight (BI)

## EDUCATION

### UNIVERSITY OF MICHIGAN SCHOOL OF INFORMATION

#### BS in Information • Graduation April 2018 • GPA: 3.3

- **Data Exploration** – clustering, classification, machine learning (XGBoost, scikit-learn, NumPy) visualization (Tableau, Bokeh, matplotlib, Seaborn) with Pandas dataframes
- **Web-scraping & parsing** – BeautifulSoup, regular expressions, NLP (NLTK)
- **Needs Assessment & Usability Testing** – Card-sorting, Competitive Analysis, Heuristic Evaluation, A/B tests, interviews, personas, scenarios,
- **Interaction Design** – wireframes, Hi-fidelity prototypes (Sketch, InVision, Adobe XD)
- **Web Applications** – full stack web development

## PAST WORK & RESEARCH

### CONSULTING FOR STATISTICS, COMPUTING, AND ANALYTICS RESEARCH

#### Data Science Intern • Summer 2017

- Write and teach workshops to 25+ people on various Python topics (API requests, web-scraping, Pandas, Python Basics) using Jupyter Notebooks
- Write python scripts and manage SQL databases to assist CSCAR consultants

### WEST QUADRANGLE RESIDENCE HALL

#### Resident Adviser • Fall 2017 – Spring 2018

- Conduct hall meetings for 43 residents to convey information and ensure adherence to University policy
- Execute data entry for lost & found items, lockouts, mailbox codes, and lending library for 435 residents
- Implement organization systems to check in/sort resident mail & packages
- Calculate costs, organize supplies, and publicize dorm-wide events

### UNIVERSITY OF MICHIGAN TRANSPORTATION RESEARCH INSTITUTE

#### Research Assistant • Summer 2017

- Code dash-cam videos for independent variables of the study (gender, speed limit, acceleration, geolocation, etc.)
- Transfer anomalous data from Excel Spreadsheets to Microsoft SQL Database

## TECH STACK

### PROFICIENT

Python, SQL, HTML & CSS

### FAMILIAR

JavaScript, PHP, R, Matlab

### DEVELOPMENT ENVIRONMENTS

Jupyter Notebooks, PyCharm, SQL Workbench, Android Studio, Cloud9

## CERTIFICATIONS & RECOGNITIONS

### AWS BIG DATA SPECIALTY CERTIFICATION

Fall 2019

### DEAN'S LIST

Winter 2015

Winter 2017

### NATIONAL MERIT SCHOLARSHIP COMPETITION

Commended 2014