

EXPERIENCE

Data Science Engineer

Methods Consultants

March 2016 - Present

Ypsilanti, MI

- Lead engineer at boutique data science & statistics consulting firm
- Primary source of programming, engineering, and machine learning expertise
- Architect of cloud infrastructure & strategy for internal and client needs
- Wrote job descriptions for, interviewed, and trained new hires
- Contributed technical content to company blog
- Developed a machine learning trading platform for a mid-size hedge fund
- Processed billions of lines of geolocation data to support expert witness testimony
- Developed and taught a data science workshop to analysts at a large federal institution

Data Analyst

DataLab, University of Michigan School of Social Work

August 2015 - December 2017

Ann Arbor, MI

- Industry consultant for a data-driven social work lab
- Wrote processing code for large, messy, semi-structured administrative data
- Created reusable software tooling used across lab
- Lectured to SSW community on using source control in data analysis

Business Intelligence Analyst

Barracuda Networks

March 2013 - February 2016

Ann Arbor, MI

- Founder and technical lead of Analytics Department
- Built and managed a large data warehouse to power analyses
- Performed ad-hoc and automated analyses to support operational decisions

Software Engineer in Test

Barracuda Networks

August 2012 - March 2013

Ann Arbor, MI

- Performed software and hardware testing of an enterprise backup solution
- Built and managed dozens of physical and virtual servers of varied type

Research Intern, Signal/Sensor Processing Lab

Michigan Tech Research Institute

Summer 2012

Ann Arbor, MI

- Wrote code to track objects in digital radar signals
- Added functionality and readability to decades-old image processing code

Executive Coach

MTU Math Learning Center

Fall 2011 - Spring 2012

Houghton, MI

- Managed daily operations of math tutoring center and its 30+ coaches
- Tutored undergraduates in all levels of mathematics classes

SKILLS

Programming and Technology

- R (tidyverse, Shiny, h2o, Rmarkdown) & Python (Jupyter, pandas, numpy)
- SQL (Postgres, SQLite, MySQL)
- GCP (Compute, Storage, GKE) & AWS (EC2, S3, RDS)
- git, linux, Docker, Gitlab CI, L^AT_EX

Leadership and Communication

- Co-organizer of the Ann Arbor R User Group
- Occasional speaker at other local meetups

EDUCATION

Michigan Technological University

B.S. in General Mathematics, minor in Economics

April 2012

Houghton, MI