CLAYTON YOCHUM

Ann Arbor, MI
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EXPERIENCE

Senior Staff Engineer, Data Science — *March 2019 - Present*
Everactive, Inc. — *Ann Arbor, MI*

- First Data Science hire at pre-IPO industrial IOT startup
- Worked closely with Cloud Platform to improve data quality & availability
- Migrated hundreds of millions of IOT packets to more performant RDBMS
- Technical Lead for company-wide API consolidation from 4 APIs to 1
- Improved performance, scalability, and ease-of-use of core databases
- Designed & ratified strict software contracts & interfaces with other teams
- Evangelized & oversaw shift towards event-driven architectural patterns
- Wrote python libraries & services for automated analytics & failure detection
- Heavily involved in hiring process for subsequent Data Science hires

Data Science Engineer — *March 2016 - February 2019*
Methods Consultants — *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 — *August 2015 - December 2017*
DataLab, University of Michigan School of Social Work — *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 — *March 2013 - February 2016*
Barracuda Networks — *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 — *August 2012 - March 2013*
Barracuda Networks — *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

SKILLS

Programming and Technology

- Databases: PostgreSQL, PL/pgSQL, sqitch (schema-as-code)
- Python: pandas, numpy, requests, JupyterLab
- R: tidyverse, Shiny, h2o, Rmarkdown
- AWS: ECS, S3, RDS, EC2
- GCP: Compute, Storage, GKE
- Other: git, linux, Docker, Gitlab CI, Pachyderm, LaTeX

EDUCATION

Michigan Technological University — *April 2012*
B.S. in General Mathematics, minor in Economics — *Houghton, MI*