

Joe Rickard

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(He/Him)

EDUCATION

University of Colorado, Boulder, CO

Bachelors in Computer Science, December 2019

Notable Courses: Performant Linear Algebra, Concurrent Programming, Database Systems, Machine Learning, Data Analysis Algorithms, Data Statistics

EXPERIENCE

West Monroe

April 2022 - Present

Technology M&A Consultant

New York, NY

At West Monroe I advise clients on technology strategy through the lens of business requirements across diverse industries. A key component of this work is identifying business impacting risks and designing remediation to support investment goals, such as reliability or performance enhancement through architectural change, or improvement to SDLC processes to increase the likelihood of development timelines being met.

TradeWeb

January 2020 - March 2022

Associate Software Engineer

New York, NY

I held an SRE-like role at Tradeweb: solving engineering issues as they arose in production, as well as working to improve the reliability of our software with automation. This was done with tooling such as bash, python, java, and control-m. I also completed projects involving new client data ingestion via batch files and FIX data feeds over Stunnel. Client financial data is then enriched with metadata and pricing information to generate statistics, portfolio models, and enable client analysis.

Enzoic

August 2018 - December 2019

SWE Intern

Boulder, CO

My work at Enzoic involved maintenance and research for a credential integrity verification API. A portion of this role involved indexing millions of credentials leaked online each day. This processing was done with Bash and Python. This data was stored in a large MongoDB database, totaling over 8 billion unique credentials. This database was engineered with hashed table relations, allowing the data to be secure at rest and efficiently query-able.

The Trade Desk

May 2017 - August 2017

SWE Intern

Boulder, CO

At The Trade Desk I worked on an embedded tracking pixel in Javascript which collected data from users' browsers. This work required attention to edge case handling, as most of the errors my code resolved stemmed from rare conflicts with partner APIs. My particular contribution improved the worst-case performance, allowing for customer data collection without compromising content load times.

AWARDS

First Place, AISC Machine Learning bias identification

AISC held a competition to identify and explain bias in ML models. This was judged by Fairly.ai. I worked with a small team over 2 months towards a first place award using Python and the Flask framework to analyze model topography and provide an output dashboard.

Second Place, HackCU 48 hour hackathon

My team of three was awarded second place by judges from Twitter for a semantic analysis interface for live events using Python and the Flask framework.