

DAZHONG XIA

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EXPERIENCE

EnergyHub

February 2019 - Present

Engineering Manager - Data & Automation; Data & Dispatch

Oct 2020 - Present

- Hire 10 engineers, growing a diverse team from 5 to 14 direct reports
- Prioritize work on the team by balancing developer input with that of product management
- Protect work-life balance of team members through prioritization and load-balancing
- Adapt team processes to make concrete, realistic commitments with minimal overhead
- Unblock work by making sure developers have the right context at the right time
- Find opportunities that align individuals' skills and goals with company needs
- Tweak communication processes across the organization for clarity and concision

Tech Lead - Data & Automation

Jan 2020 - Oct 2020

- Wrote technical design documents for API integrations and foundational engineering work
- Worked with product management team to prioritize and plan quarterly projects
- Grew a new team from 1 person to 5 people, shifting responsibilities towards management
- Implemented custom device data backfill and reports in Python and Java

Senior Software Engineer

Feb 2019 - Jan 2020

- Integrated Java web application with device manufacturer APIs to ingest device data
- Managed AWS infrastructure with Ansible and a set of custom Python scripts gluing it together
- Handled production on-call issues - triaging, recovering, debugging, and communicating status
- Supported hiring by interviewing, designing rubrics, and writing onboarding documentation
- Pitched foundational engineering projects to the rest of the organization

Recurse Center

September 2018 - December 2018

Participant

- Learn about formal specification of systems using TLA+
- Explore the basic principles of deep learning by writing a simple neural network

Teachers Pay Teachers

February 2016 - August 2018

Tech Lead - Buyer Success

May 2018 - August 2018

- Managed delivery of a port of the homepage to the new Elixir/React stack
- Planned and organized work around user profiles and search experience
- Increased transparency & communication around org-wide decisions

Software Engineer 3 (Senior) - Search, Discovery and Personalization

February 2017 - August 2018

- Productionized ETL system - monitoring, alerting, infrastructure automation, education
- Built collaborative filtering product recommendation service running on Kubernetes

Software Engineer 2 - Search, Discovery and Personalization

August 2016 - February 2017

- Implemented search suggestion service in Elixir to evaluate a full-stack site migration
- Ported search page to Elixir backend & React frontend; taught engineers about Elixir

Software Engineer 1 - Search, Discovery and Personalization

February 2016 - August 2016

- Built an ETL system to replace cron jobs and manual data loading

Recurse Center

August 2015 - November 2015

Participant

- Wrote a Git clone in Haskell
- Worked on NAND2Tetris: designed a CPU, wrote an assembler, and wrote a compiler

Center for Data Intensive Science

April 2015 - August 2015

Software Engineer

- Built analytics pipeline and data portal for satellite data

Heritage Chinese Center

June 2014 - April 2015

Software Developer

- Designed and built web games as supplemental material for students learning Chinese

University of Wisconsin-Madison

October 2014 - March 2015

Associate Research Specialist

- Worked on an open source nuclear engineering toolkit to help model new reactor designs

EDUCATION**University of Chicago**

BA: Physics, June 2014