

JOHN XIA

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EXPERIENCE

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
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EDUCATION

University of Chicago

BA: Physics, June 2014

THINGS I HAVE USED AND LIKED

Elixir, Python, Haskell, JavaScript, Git, Linux, Kubernetes