

# JOHN XIA

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## EXPERIENCE

### Recurse Center

August 2018 - December 2018

*Participant*

- Learn about formal specification of systems through TLA+
- Drive discussion group around philosophy & ethics of technology

### 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 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 hardware, wrote assembler, and wrote 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 facilitate modeling of new reactors

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## EDUCATION

### University of Chicago

BA: Physics, June 2014

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## THINGS I'VE USED AND LIKED

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