

# JOHN XIA

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## EXPERIENCE

### **Teachers Pay Teachers** February 2016 - Present

*Software Engineer 3 (Senior) - Search, Discovery and Personalization* February 2017 - Present

- Develop company values statement with a cross-functional group of volunteers
- Productionize ETL system - monitoring, alerting, infrastructure automation, education
- Build product recommendation service running on Kubernetes

*Software Engineer 2 - Search, Discovery and Personalization* August 2016 - February 2017

- Implement search suggestion service in Elixir to evaluate a full-stack site migration
- Port search page to Elixir backend & React frontend; teach engineers about Elixir

*Software Engineer 1 - Search, Discovery and Personalization* February 2016 - August 2016

- AB testing search relevancy changes - implementation as well as analysis
- Build 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*

- Design and build web games as supplemental material for students learning Chinese
- Track individual students' and teachers' progress through the curriculum

### **University of Wisconsin-Madison** October 2014 - March 2015

*Associate Research Specialist*

- Work on tool to compute nuclear fuel characteristics over time
- Contributed to PyNE, an open source nuclear engineering toolkit

### **Mission Street Manufacturing** June 2013 - August 2013

*Software Developer*

- Create systems to allow children to easily design & print 3D models
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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