

# JOHN XIA

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## EDUCATION

### University of Chicago

BA: Physics, June 2014

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## EXPERIENCE

### Teachers Pay Teachers

February 2016 - Present

*Senior Software Engineer - Search, Discovery and Personalization*

- AB testing search relevancy changes - implementation as well as analysis
- Build an ETL system, including monitoring, alerting, infrastructure, and education
- Implement autosuggest service in Elixir to evaluate a full-stack port
- Port search page to Elixir backend & React frontend; teach engineers about Elixir
- Develop company values statement with a group of volunteers

### 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 2015

April 2015 - August

*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 2015

October 2014 - March

*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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## THINGS I'VE USED AND LIKED

Elixir, Python, Haskell, JavaScript, Git, Linux