JOHN XIA

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EDUCATION

University of Chicago
BA: Physics, June 2014

EXPERIENCE

Teachers Pay Teachers   February 2016 - Present
Software Engineer 3 - 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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THINGS I'VE USED AND LIKED

Elixir, Python, Haskell, JavaScript, Git, Linux