

Robbin Xu

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Skills

- **Languages:** JavaScript, PHP/Hack, Python, Java, C++, Ruby
- **Frameworks:** React, Redux, Flux, Backbone, Node, Express, Koa, jQuery, Webpack, GraphQL
- **Other:** Puppeteer, MongoDB, PostgreSQL, Jupyter, Numpy, Thrift

Experience

Facebook

Sept 2018 - Dec 2018

Software Engineering Intern

- Joined the Customer Insights - Knowledge Management team which owns the knowledge center and help articles for program managers and agents supporting advertising clients
- Built the MVP for new announcements feature - a way for program managers to publish notices and announcements to agents that they manage within the knowledge center - using React/Redux and PHP/Hack
- Added a prevention method to prevent multiple writes to the same article at the same time
- Implemented GraphQL Subscriptions to notify users when another user is/has editing/edited the article that they are currently viewing

Square

Jan 2018 - Apr 2018

Software Engineering Intern, Caviar

- Progressed Caviar's corporate experience by creating new frontend features with React and Ruby on Rails and rewriting existing Rails templates in React
- Rearchitected a more performant and optimized frontend by leading the migration off Flux to Redux; published the technical migration details on Square's Engineering Medium Blog at <https://goo.gl/WxNcVv>

Rangle.io

May 2017 - Aug 2017

Software Developer Intern

- Created new features for an internal management system using a functional-style React/Redux UI and modular CSS, with a Node.js/Koa backend

IBM

Sept 2016 - Dec 2016

Software Developer Intern, Cognos Analytics - Dashboard Team

- Revamped the BI analytics dashboard with a new grid system used for rendering of large amounts of data to replace the old UI using Backbone and jQuery, reducing chart load time to under 1s

TD

Jan 2016 - Apr 2016

Solutions Developer Intern, TD Labs

- Prototyped progressive web app solutions for modern banking problems with Express.js and MongoDB

Imagine Communications

May 2015 - Aug 2015

Full Stack Developer Intern

- Used React and Redux to build commercial software tools

Education

University of Waterloo

Waterloo, ON

Candidate for Bachelor of Software Engineering

April 2019 (expected)