

# Robbin Xu

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## Skills

- **Languages:** JavaScript, Python, Java, C++, Ruby
- **Frameworks:** React, Redux, Flux, Backbone, Node, Express, Koa, jQuery, Mocha, Webpack
- **Other:** Puppeteer, MongoDB, PostgreSQL, Jupyter, Numpy, AWS (EC2, S3, Lambda), Thrift

## Experience

### 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
- Added optimizations to performance by rewriting selectors and preventing unnecessary rerenders for components

### 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
- Implemented an efficient reuse of table elements for grid render, seamless scroll, cell creation and rendering, and keyboard navigation and accessibility

### TD

Jan 2016 - Apr 2016

*Solutions Developer Intern, TD Lab*

- Prototyped an application that can refer friends and family to TD Bank through social media sites using Express, MongoDB/Mongoose, and Facebook JavaScript SDK
- Created a VR application using Unity3D and Cardboard SDK to accompany an existing TD application to teach children financial literacy

### Imagine Communications

May 2015 - Aug 2015

*Full Stack Web Developer Intern*

- Implemented and designed features for Nexio software that enables broadcast television channels to queue commercials using React and Reflux
- Set up an API endpoint with existing C#/.NET web service

## Education

### University of Waterloo

Waterloo, ON

*Candidate for Bachelor of Software Engineering*

*June 2019 (expected)*