

# RuoTai Sun

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## TECHNICAL SKILLS

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**Languages:** JavaScript, Python, Ruby, C/C++, HTML, CSS      **Tools/Services:** Git, REST, Mocha, Parse  
**Frameworks:** jQuery, Backbone, React, Node, Rails, Django      **Language spoken:** English, French, Chinese

## WORK EXPERIENCE

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- JAN. 2016 - APR. 2016 | **Software Developer Intern** at Autodesk
- Wrote and designed an open-sourced testing framework using CasperJs ([npm Damon](https://npmjs.com/package/damon)).
  - Added all the tests for the website using this framework, improving its reliability.
  - Implemented new front-end modules and features using Backbone.
- JUNE 2015 - AUG. 2015 | **Web Developer Intern** at BuildDirect Design Center
- Enhanced the room layout creation by improving the algorithm and queries.
  - Implemented an pdf package generator for client to download using ReportLab.
  - Integrated Google Analytics to the website to provide a better insight of user statistics.
- MAY 2015 - JUNE 2015 | **Web Developer Intern** at TicketFi
- Contributed to write and design a RESTful API for the company using Ruby on Rails.
  - Designed and wrote most of its unit tests using Rspec.

## PROJECTS

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- SEPT. 2015 | **Jumpp @ Hack the North** (Intuit API prize) **ReactJS, Reapp, Firebase**
- Created an app that lets customers order food in advance and generates receipts.
  - Developed an analytic interface using Reapp, based on ReactJS, and Firebase.
- Github:* [github.com/ju-de/jumpp-bus](https://github.com/ju-de/jumpp-bus)
- MAY 2015 | **GlowStone @ WearHacks Toronto** **Parse, Android, AngularJS, Beacon**
- Built an app that provides seamless contextual information for point of interest.
  - Connected the admin panel to the client side with a real-time updating system using Parse.
- Github:* [github.com/factorialLabs/GlowStone-Web](https://github.com/factorialLabs/GlowStone-Web)
- MAR. 2015 | **Roomi @ Waterloo EngHack** (second place) **AngularJS, Meteor**
- Developed a web app that provides useful tools for roommates to have a better living experience.
  - Worked on creating an instant messenger feature using AngularJS and Meteor.
- Github:* [github.com/factorialLabs/roomi](https://github.com/factorialLabs/roomi)
- MAR. 2015 | **CommuniVoice @ HackIllinois** (Yelp best Community hack prize) **AngularJS, Azure, Android**
- Built an android and web app that allows citizens to report effortlessly issues to their city.
  - Worked on integrating Google Maps API on the web app and on the back-end with Azure.
- Github:* [github.com/rtsun95/crowdreport\\_web](https://github.com/rtsun95/crowdreport_web)

## INITIATIVES

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- FEB. 2015 - PRESENT | **Co-Founder and Organizer of Tech Retreat**
- Founded a hackathon/learnathon for high school students with more than 150 participants
  - Managed finances and planned the budget for the event
  - Worked on contacting sponsors to make the event entirely free for students
  - Handled the applicants selection process from a pool of more than 400 applicants

## EDUCATION

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- Candidate for Bachelor of Software Engineering, 2019, University of Waterloo
- Introduction to Machine Learning, Udacity (Online)