

# RuoTai Sun

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## SKILLS

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

## WORK EXPERIENCE

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- JAN. 2016 - APR. 2016 | **Software Developer Intern** at Autodesk **CasperJS, Backbone, Node, Faye**  
- Designed and built an open-sourced testing framework ([npmjs.com/package/damon](https://npmjs.com/package/damon)).  
- Implemented new front-end page to show synced testing results to all developers.  
- Wrote all the tests for the website using damon, improving testing speed by 75%.
- JUNE 2015 - AUG. 2015 | **Web Developer Intern** at BuildDirect Design Center **Django, jQuery, Python**  
- Enhanced room layout creation algorithm to generate more accurate results.  
- Implemented a pdf package generator (downloaded 5000+ times) using ReportLab.  
- Integrated Google Analytics events tracking system to better understand user's work flow
- MAY 2015 - JUNE 2015 | **Web Developer Intern** at TicketFi **Rails, Rspec**  
- Contributed to the design and implementation of a RESTful API using 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**  
- App that lets customers order food in advance and generate receipts.  
- Developed an analytic interface using Reapp, based on ReactJS, and Firebase.  
[github.com/ju-de/jumpp-bus](https://github.com/ju-de/jumpp-bus)
- MAY 2015 | **GlowStone @ WearHacks Toronto** **Parse, Android, AngularJS, Beacon**  
- App that provides seamless contextual information for landmarks and exhibitions.  
- Connected the admin panel to the client side with a real-time updating system using Parse.  
[github.com/factorialLabs/GlowStone-Web](https://github.com/factorialLabs/GlowStone-Web)
- MAR. 2015 | **Roomi @ Waterloo EngHack** (second place) **AngularJS, Meteor**  
- Webapp that provides useful tools for roommates to have a better living experience.  
- Created an instant messenger feature using AngularJS and Meteor.  
[github.com/factorialLabs/roomi](https://github.com/factorialLabs/roomi)
- MAR. 2015 | **CommuniVoice @ HackIllinois** (Yelp best Community hack prize) **AngularJS, Azure, Android**  
- Android and webapp that allows citizens to effortlessly report issues to their city.  
- Worked on integrating the Google Maps API on the webapp and on the back-end with Azure.  
[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, 2B (graduate in 2019), University of Waterloo
- Introduction to Machine Learning, Udacity (Online)