

# Jing Tao

Computer Science, University of Waterloo

## PERSONAL DETAILS

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<i>Address</i>	328 Regina, Waterloo, Ontario
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<i>Mail</i>	cs.jingtao@gmail.com
<i>Github</i>	<a href="https://github.com/jingt06">https://github.com/jingt06</a>
<i>Website</i>	<a href="http://www.jingt.co">www.jingt.co</a>

## SKILLS

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- **Web Development:** HTML, CSS, jQuery, NodeJS, Angular, Backbone, Express
- **Mobile Development:** Android SDK
- **Database:** MySQL, PostgreSQL, MongoDB, KDB
- **Operating System:** Linux, Mac OS, Windows
- **Programming Language:** C++, C, JavaScript, Java, Python, Lisp, Q, Bash
- Excellent understanding of **data structures, algorithms** and **design patterns**
- Familiar with **object-oriented programming, concurrent programming** and **socket programming**

## EDUCATION

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**Bachelor of Computer Science, University of Waterloo** 2014 - present

- Computer Science Major Average: 92
- Minor in Combinatorics and Optimization, Computational Mathematics and Statistics
- Relevant Courses: Object-Oriented Development, Foundations of Sequential Programs, Data Structure and Data Management, Operating System, Algorithms

## WORK EXPERIENCE

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**Full Stack Developer, Quantum Cube Technology** Apr-Aug 2016

- Built stock analysis website using Angular, Highcharts, MySQL and NodeJS
- Implemented concurrent programs to collect stock quotes using C++ and Kdb/q
- Developed web applications to display real time stock quotes using socket.io and ZeroMQ

**Undergraduate Research Assistant, University of Waterloo** Jan-Apr 2016

- Worked on Webike project under supervision of Dr.Keshav
- Implemented trip detection algorithm based on gps, acceleration and discharge current
- Created data visualization using Google maps javascript api

**Android Developer part-time, EasyAce Edu** Sep-Dec 2015

- Used Android Studio to design and develop an App that connects TAs and students
- Implemented Java classes to communicate with RESTful APIs and Amazon S3 server
- Created custom ImageView class with draw, scale and touch functionality

**BI Support Intern, Baixing.com (formerly kijiji.cn)** May-Aug 2015

- Developed CRM modules using Html, CSS and jQuery
- Worked with MongoDB, PostgreSQL and created APIs with Python Flask
- Wrote pgScript for data screening and data analysis

## PROJECTS

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- **jingt.co**, a personal website deployed on github
- **Slot Game** (2012), a slot game developed in Java and Java GUI
- **ChamberCrawler** (2015), a game developed in C++ with many design patterns
- **cc3k.io**(2016), an online game developed in Node and socket.io, deployed on heroku
- **node-statistics** (2016), a npm package that connects NodeJS with R