

# Dian Tang

Software Engineering, University of Waterloo

## ↪ contact

☎ 519-781-3220  
✉ tangdian.ca  
✉ me@tangdian.ca  
🌐 github.com/tangdian

## ↪ skills languages

- Java
- Javascript
- C/C++
- PHP
- Python

## frameworks & databases

- Node.js (Express)
- AngularJS
- jQuery
- Bootstrap
- MongoDB, MySQL

## tools & services

- HTML/CSS
- Linux/Unix, AWS EC2
- Nginx
- Git
- JSON, REST
- Adobe Photoshop
- Xcode

## ↪ qualities

- Passion for learning
- Attentive listener
- Great time management
- Excellent communication skill

## ↪ interests

- Hackathons
- Guitar, music
- Exercising, travelling

## experience

### Software Developer

University of Waterloo Oct 2015 - Present

*IT Division at UW Chinese Students and Scholars Association (CSSA)*

- Solely developed the seat reservation system for CSSA's Spring Festival Gala
- Gained experience of AWS Linux server construction and Nginx configuration

### Web Designer & Teaching Assistant

Shanghai, China Jun - Aug 2015

*BWIN Education (bethewinner.com.cn)*

- Designed the layout of the company website using Joomla!
- Performed SEO to make website rank 1<sup>st</sup> on Baidu and led to 300% more visitors
- Automated the construction of vocabulary book using Python
- Tutored SAT classes and led to enhanced students' performance

## projects (Details available on my site and my Github)

### Seat Reservation System for Spring Festival Gala held by UWCSSA

Dec 2015

*AngularJS, PHP 7, MySQL, Nginx*

- Enabled 700+ audiences to reserve their seats online with intuitive UI
- Automated email notification to users using Mailgun mailing API
- Built backend control panel to optimize seat allocation process for organizer

### UW Carpool

Sept 2015 - Present

*AngularJS, Node.js (Express), MongoDB (Mongoose)*

- Connects riders and drivers for carpooling using MEAN stack
- Implemented user authentication and session management using PassportJS
- Meant to replace the currently used cumbersome forum-based carpool platform

### Myo Rhythm Composer (Team of 3)

Nov 2015

*Javascript, jQuery*

- Won 2<sup>nd</sup> place at 2015 UW EngHack out of 40+ teams
- Enables recording of drum improvisation onto a sheet instantaneously with Myo Gesture Control Armband
- Designed dynamic rhythm composing effect with Javascript and jQuery

### Climb the Stairs

Jul - Nov 2014

*Android (MIT App Inventor 2)*

- Won 3<sup>rd</sup> place at 2014 Google China App Inventor National Application Development Contest out of 500 contestants
- Encourages people to exercise by clearly presenting calorie data and goals
- Developed algorithm to achieve excellent accuracy on tracking calories burned

### Java GUI Apps

May - Aug 2014

*Java (Swing), Object-Oriented*

- Flying Chess: A 2-player local network game enabled by Socket TCP
- Gobang: A local multiplayer Gobang game
- DKP manager: A guild member evaluation app for World of Warcraft