

# Bill Cheng Guo

<http://billguocheng.com>  
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## SKILLS

### PROGRAMMING

JavaScript • jQuery  
AngularJS • Node.js  
Bootstrap • CSS • HTML5  
C++ • C# • Java • VHDL

### TECHNOLOGIES:

Atom • Brackets • Sublime  
Git • SourceTree  
Android Studio • Eclipse  
Ubuntu • OS X • Win 10

## EDUCATION

### UNIVERSITY OF WATERLOO

Bachelor of Applied Science,  
Computer Engineering  
Expected 2018 | Waterloo, ON

## CONTACT

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[BillGuoCheng.com](http://BillGuoCheng.com)  
[github.com/iFun](https://github.com/iFun)  
[linkedin.com/in/billchengguo](https://linkedin.com/in/billchengguo)

## EXPERIENCE

### WIRKN | Android Developer Intern

Aug 2015 – Dec 2015 | Toronto, ON

- Implemented android application analytics to gather user behavior data using Mixpanel to increase the percentage of job applications.
- Single-handedly built and managed the android automatic testing suite using framework Mockito and Espresso, resulting in reduced manual testing time and a 10% increased in crash-free users.
- Designed and built Node.js unit testing suite for internal API testing using framework Supertest and Frisby

### ONTARIO MINISTRY OF EDUCATION | Application Developer

Jan 2015 – May 2015 | Toronto, ON

- Implemented web applications, business components, government forms and web service interfaces using JavaScript and C#

### VOCERA | Mobile Application QA

May 2014 – Aug 2014 | Toronto, ON

- Generated new-found bugs report to achieve greater efficiency in the developer's bug-fixing time and ensured product deadlines were met.
- Contributed to function testing and regression testing on iOS and android latforms, lowering the overall bug report by 20%.

## PROJECTS

### TODD | Web todo application

[billguocheng.com/todo](http://billguocheng.com/todo)

- A web application using AngularJS framework on which user may edit, achieve and delete tasks With Local Storage, all todo tasks will be saved even user closed the web page.

### EXAM SCHEDULE | Automatically generate UW exam schedule

[billguocheng.com/final](http://billguocheng.com/final)

- Utilized University of Waterloo API and bootstrap framework with auto-complete suggestions feature.
- A web tool which allows UW students to request their exam schedule and automatically generate an iCalendar file for importing to Google Calendar or Apple Calendar.

### DROWSY ALERT | Hack the north project for drowsy drivers

[github.com/iFun/Drowsy-Alert](https://github.com/iFun/Drowsy-Alert)

- Drowsy Alert is an android application that processes raw EEG data obtained from the Muse headband in order to create a warning system for drowsy drivers on the road.
- The application processes the brain waves of a drowsy driver. Alerting the driver through voice, alarm systems, and in extreme cases reaching out to the driver's emergency contacts reaching out to the driver's emergency contacts.

→ See more at [Billguocheng.com](http://Billguocheng.com) and [github.com/iFun](https://github.com/iFun)