

Bill Cheng Guo

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SKILLS

PROGRAMMING

JavaScript • jQuery • Lodash
AngularJS • NodeJS • Python
Bootstrap • CSS • HTML5
Jade • Less • MongoDB
C++ • C# • Java • VHDL

TOOLS:

Vim • Bash • Sublime
Git • SourceTree • Mercurial
Jenkins • Karma • npm
Crashlytics • Google Analytics
Android Studio • Eclipse
Unix • OS X • Win 10

EDUCATION

UNIVERSITY OF WATERLOO

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

CONTACT

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EXPERIENCE

GENESYS | Front End Developer

May 2016 – Aug 2016 | Markham, ON

- Single-handedly built and designed a Nodejs back-end server
 - Built parsers using regex to analyze and parse customer feedback log files(up to 500MB).
 - Created a database using MongoDB and Mongoose to store parsed feedback data with elastic search.
 - Built a REST API to process HTTP requests and send out json data from the database to the front-end web page for issue tracking.
- Implemented new features(such as sorting) in the Agents dashboard that ships to Genesys customers using AngularJs, Jade and Less.
- Wrote grunt Unit tests using Expect and Karma for the Agent Dashboard to ensure code coverages passed 80%.

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.

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

EXAM SCHEDULE | Automatically generate UW exam schedule

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

- 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.

→ See more at Billguocheng.com and github.com/iFun