

# Eric Bai

Computer Science and Business Administration  
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## SKILLS

### PROGRAMMING

Proficient in:

Javascript • C# • Java • C++  
NodeJS • MVC Frameworks

Experienced with:

Ruby on Rails • PHP • CSS • HTML  
Linux • Bootstrap • SQL • Git • C

Knowledge in:

- Data structures
- Searching and sorting
- Writing queries
- Analyzing efficiency
- Object oriented design

## EDUCATION

### UNIVERSITY OF WATERLOO

BACHELOR OF COMPUTER SCIENCE

Expected 2018

### WILFRID LAURIER UNIVERSITY

BACHELOR OF BUSINESS

ADMINISTRATION

Expected 2018

## LINKS

<http://ericbai.me>

<https://github.com/baieric>

<https://www.linkedin.com/in/baieric>

## EXPERIENCE

### DESIRE2LEARN | SOFTWARE DEVELOPER

Jan 2015 – Apr 2015 | Kitchener, ON

- Integrated Turnitin LTI compatibility within D2L's learning environment using C#, stored procedures in SQL, RPC functions, and Javascript
- Implemented and maintained over 40 new and existing features
- Developed MVC controls that asynchronously update using JSON received from callbacks from automated jobs
- Wrote over 100 unit and integration tests using NUnit

### REA INC. | PROGRAMMER

May 2014 – Aug 2014 | Toronto, ON

- Created websites from scratch using PHP (Yii Framework) with MVC pattern and MySQL
- Developed freelancer employment website for a client (caymanfreelancers.com)
- Implemented back-end features such as different user types, complex database queries, cron jobs, Ajax callbacks, JSON encoding, API implementation
- Developed front-end designs with responsive interface and Bootstrap
- Improved efficiency of an automated email task for a client with over 1,000 subscribers

## PROJECTS

### THE RESISTANCE WEB APP | ENGHACK

Mar 2015 | [play-resistance.herokuapp.com](http://play-resistance.herokuapp.com)

An online companion app for playing The Resistance with real time updates. Built with NodeJS and SocketIO in 24 hours. Placed in the Top 10 at EngHack.

### CROWDSURF | MCHACKS

Feb 2015

A social web application for sharing playlists, with the ability to copy and then edit other people's playlists, like a Github for music. Built the front-end at McHacks using React and Spotify API, and then continued as a side-project using Ruby On Rails.

### DEJA WHO | HACK THE NORTH

Sep 2014 | [github.com/baieric/deja-who](https://github.com/baieric/deja-who)

An Android app for meeting people you would otherwise pass by every day. Built with Android Studio, using Parse.com API and Facebook API. Uses GPS to create a chat if two users with similar interests pass by each other twice.

### CARPAL | BATTLEHACK

Jun 2014 | [github.com/baieric/CarPal](https://github.com/baieric/CarPal)

An Android app for connecting drivers and passengers looking to carpool through advanced search. Built in Java using Parse.com API for the database. Final product pitched to Metrolinx.

### S-BIKE | FACEBOOK HACKATHON

Jan 2014 | [github.com/baieric/sbike](https://github.com/baieric/sbike)

A multiplayer online game of Snake displayed on a monitor using phones as controllers. Designed the controller interface and implemented logic for player collisions and movement. Built with NodeJS, SocketIO, and Cocos2DX.