

# Eric Bai

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## SKILLS

### LANGUAGES

Javascript • C# • Java • C++  
HTML • CSS • SQL • PHP • C

### TECHNOLOGIES

Android • NodeJS • MVC Frameworks  
Ruby on Rails • Git • Gradle • JQuery  
SocketIO • Linux

### ALGORITHMS

Continuously solving algorithm and data structure problems from HackerRank.  
Solutions shared at  
<https://github.com/baieric/hackerRank>

## EDUCATION

### UNIVERSITY OF WATERLOO

BACHELOR OF COMPUTER SCIENCE  
Expected Aug 2018

### WILFRID LAURIER UNIVERSITY

BACHELOR OF BUSINESS  
ADMINISTRATION  
Expected Aug 2018

## LINKS

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

## RECOMMENDATIONS

"Eric has been a great asset to the team. He's inquisitive, detail oriented, and has a strong work ethic. He has a positive attitude and works harmoniously with the team. We will miss him!"  
- Joseph W, Desire2Learn

"Eric is hard working and always shows enthusiasm for assigned work. He consistently delivers quality work and completes assignments quickly. He is a very intelligent individual and will definitely excel in his chosen field."  
- Earl A, REA Inc.

## EXPERIENCE

### DESIRE2LEARN | SOFTWARE DEVELOPER

Jan 2015 – Apr 2015 | Kitchener, ON

- Implemented and maintained over 40 new and existing features in an agile development team
- Found and resolved security issues in the learning environment, and earned a peer recognition award as a result
- Integrated Turnitin API within D2L's learning environment using C#, the MVC pattern, stored procedures in SQL, and Javascript
- Developed controls and views that asynchronously update using JSON received from callbacks from automated jobs
- Wrote over 100 unit and integration tests using NUnit

### REA INC. | FULL-STACK PROGRAMMER

May 2014 – Aug 2014 | Toronto, ON

- Created several websites from scratch using PHP with the MVC pattern and MySQL (example: <https://caymanfreelancers.com>)
- Implemented 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 with over 1,000 subscribers

## PROJECTS

### XCERPT | PERSONAL PROJECT

<https://github.com/baieric/xcerpt>

An Android app released on Google Play for making links posted on Twitter more beautiful and engaging. Uses asynchronous tasks to process results from Tesseract OCR, Twitter API and Bing Search API. Conducted UX testing and used Material Design for polished feel.

### THE RESISTANCE WEB APP | ENGHACK

<https://play-resistance.herokuapp.com>

A multiplayer web app for the game The Resistance with real time updates. Built with NodeJS and SocketIO in 24 hours. Placed in the Top 10 at EngHack.

### CARDBOARD TRANSLATE | HACK THE NORTH

<https://devpost.com/software/cardboardtranslate>

A mobile augmented reality app with gesture controls to translate text that the user sees. Used Google Cardboard and Thalmic Labs Myo armband. Built in 36 hours with Android, Google Translate API, and Tesseract OCR.

### CROWDSURF | MCHACKS

A social web app for sharing playlists, like Github for music. Built with React, Ruby on Rails, and Spotify API.

### CARPAL | BATTLEHACK

<https://github.com/baieric/carpal>

An Android app for organizing carpools using advanced filters to match drivers and riders. Pitched product to Metrolinx. Built in Java with Parse API.