

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

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

Jun 2014 | 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

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

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.