

ERIC BAI

Computer Science and Business Administration
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QUALIFICATIONS

- Proficient in full-stack web development using PHP, MVC, JQuery, MySQL, HTML, CSS
- Experienced in Java, SVN, Javascript, C++, and C
- Knowledgeable in sorting, object-oriented design, querying, and data structures
- Effective communicator, enthusiastic team member, passionate hacker

TECHNICAL EXPERIENCE

Programmer

REA Inc.

Toronto, ON

May–August 2014

- 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

Deja Who – Android Social App | github.com/baieric/deja-who

September 2014

A work in progress app for meeting people nearby who you would otherwise pass by every day

- Built with Android Studio, using Parse.com API for the database and Facebook API
- Uses GPS to create a chat if two users with similar interests pass by each other twice

CarPal – Android Carpool App | github.com/baieric/CarPal

June 2014

An app for connecting drivers and passengers looking to carpool through advanced search

- Built in Java with Eclipse IDE, using Parse.com API for the database
- Final product pitched to Metrolinx

S-Bike – Web Game | sbike.ca

January 2014

A game of multiplayer Snake displayed on a computer using mobile devices as controllers

- Designed controller interface and implemented logic for player collisions and movement

Video Game Development Projects

April 2011–June 2013

Three annual video game projects

- Collaborated to develop a Space Invaders-style game and a top-down shooter game in Java
- Created and presented a sliding block puzzle game in Visual Basic independently

EDUCATION AND HOBBIES

Candidate for Bachelor of Computer Science

University of Waterloo

Waterloo, ON

2013–2018 (expected)

Candidate for Bachelor of Business Administration

Wilfrid Laurier University

Waterloo, ON

2013–2018 (expected)

Hobbies: Graphic design, building computers, photography, volunteering, board games