Eric Bai

http://ericbai.co | ebai@uwaterloo.ca | (416) 319-1222

SKILLS

LANGUAGES

Javascript • Python • 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

KIK INTERACTIVE | ANDROID DEVELOPER

Jan 2016 – present | Kitchener, ON

- Implemented a complete redesign of Kik's media viewer, which involved custom touch events, memory management, and multi-threaded tasks
- Implemented the handling and sharing of group chat URLs that open in-app
- Gained experience debugging memory leaks and adapting highly computational tasks to support older phones
- Refactored legacy code to follow the MVP pattern and have unit test coverage
- Created a music trivia chat bot in Python. Placed in Top 3 at Hack Week

DESIRE2LEARN | SOFTWARE DEVELOPER

Jan 2015 – Apr 2015 | Kitchener, ON

- Earned peer recognition award for finding and resolving security issues
- 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: http://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

http://xcerpt.surge.sh
An Android app 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. Over 3000 downloads, and featured on Wired, CNET, and Gizmodo.

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.

CLOUDWALK | WATERLOOHACKS

https://github.com/baieric/cloudwalk
An Android app that detects nearby users, and automatically turn on their hotspots and connect to them for a limited time. Built with Android, P2PWifi, and Parse API in 24 hours. Placed in the Top 10 at WaterlooHacks.