

Computer Engineering | University of Waterloo

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SKILLS & HIGHLIGHTS

- Creative and efficient software developer
- Experience with Visual Studio, Android Studio
- Hardworking and self-motivated team ate
- Passion for learning and solving problems

LANGUAGES

FRAMEWORKS & LIBRARIES

Java, SQL, PHP, HTML, CSS, C#, JavaScript

RequireJS, AngularJS v 1.6, Handlebars.js, BackboneJS with Marionette, Selenium with Capybara, PHPUnit, Mocha, Chai

EMPLOYMENT HISTORY

Web Development Intern – Achievers Inc.

Toronto (June '15 – Aug '15)

Developed backend features in PHP using Service Oriented Architecture Principles Introduced and implemented front end unit testing for platform using Mocha with Chia assertion library Planned, designed and developed automated email tool for testing new email templates

Software and QA Automation Intern - Eventmobi

Toronto (Sept '14 – Dec '14)

Worked on small QA team writing automated test scripts for new features using RSpec Solely responsible for overseeing multiple releases of new features and bug fixes Fixed multiple bugs in PHP code base while carrying out client requests Used knowledge of web-based programming to contribute to internal deployment tools

Database Analyst - Independent Electricity System Operator of Ontario (IESO)

Oakville (Jan '14 – May '14)

Provided data base administration for the Market Registration team for the Ontario electricity marketplace Used OOP principles to design, develop, and maintain tools used on a daily basis by the team Prepared concise documentation for users and future developers

PROJECTS

PaceKeeper

- Mobile Android application that regulates your cardio through music using the Moto 360's heart monitor
- Built with Android's 5.0 APIs including the Android Wear and Google Fit APIs

Path Finding Navigator

- Mobile Android application that helps you get from point a to point b in real time
- Uses the device's sensors in accordance with a low pass filter and recursive, depth first, path finding algorithm

Please visit my GitHub page to view other projects and contributions: https://github.com/emilyhilbig

EDUCATION

University of Waterloo

(Sept '13 – present)

Candidate for a Bachelor of Applied Science in Computer Engineering

Relevant courses include: Engineering Design with Embedded Systems (Android programming),
Data Structures and Algorithms, Digital Circuits and Systems, Discrete Mathematics

ACTIVITIES & INTERESTS

Volleyball • Basketball • Hackathons • Football • Snowboarding • Running • LOTR Marathons • Yoga