Emily Hilbig

3B Computer Engineering | University of Waterloo
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SKILLS & HIGHLIGHTS

- Creative and efficient software developer
- Passion for learning new technologies
- Finds enjoyment in solving problems differently
- Hardworking and self-motivated teammate

LANGUAGES

Java, Python, C#, SQL, HTML, CSS, JavaScript, VHDL, c++, PHP

FRAMEWORKS & LIBRARIES

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

EMPLOYMENT HISTORY

Product Manager — Horizn Studios Inc.   *Toronto (May '17 – Aug '17)*

- Owned the product development of simultaneous projects across a diverse portfolio
- Analyzed client requests in order to design and implement solutions for customers
- Created sprints and updated developers across all teams in order to deliver features and meet deadlines
- Analyzed reporting systems to develop metric tracking of KPI's for multiple clients and automate reports

Manufacturing Controls Automation – Ontario Die International   *Kitchener (Sept '16 – Dec'16)*

- Researched, managed and implemented innovative software projects using .NET frameworks
- Constructed algorithms to greatly improve the accuracy of ODI's die manufacturing process in real time
- Created machine vision programs to test manufacturing prototypes using the Keyence XG vision system
- Designed libraries to interface with the Keyence XG system using networking protocols (FTP & TCP/IP)

Full Stack Development Intern – Achievers Inc. (8 months)   *Toronto (May '15 – Apr '16)*

- Developed and debugged backend features in PHP using Service Oriented Architecture Principles
- Contributed to release planning: created sprint tasks, stories and time estimates for client facing features
- Increased reliability of frontend JavaScript using Mocha with Chai assertion library to introduce unit tests
- Planned, designed and developed automated email tool for testing new email templates

Software and QA Automation Intern - Eventmobi   *Toronto (Sept '14 – Dec '14)*

- Wrote automated test scripts for new features using RSpec and contributed to internal deployment tools
- Solely responsible for overseeing multiple releases of new features and bug fixes
- Fixed multiple bugs in PHP code base while carrying out client requests

Database Analyst - 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
- Learned and applied advanced SQL techniques to collect data from a relational database

PROJECTS [github://emilyhilbig]

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.

EDUCATION

University of Waterloo   *Graduation: June, 2019*
Candidate for a Bachelor of Applied Science in Computer Engineering

- Taking courses in: Operating Systems, Systems Programming, Databases, Data Structures and Algorithms, Embedded Microprocessor Systems, Compilers, Hardware Engineering, Controls