

Wojtek Swiderski | Software Engineering - UWaterloo

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Skills

Languages: C/C++, Java, Python, JavaScript, LabVIEW, Octave, \LaTeX , HTML, QML, CSS

Technologies: Qt, Android SDK, Django, Tornado, NodeJS, PostgreSQL, MongoDB, Angular JS, JQuery

Services: AWS, Github, Perforce, [Google, Facebook, SoundCloud] API

Tools: Git, Sublime, Android Studio, XCode, Visual Studio, Vim, Bash, MacOSX, Ubuntu

Experience

Sony Creative Software

Waterloo

Software Engineer

2015

- Achievement 1;
- Achievement 2, with sub-achievements:
- Achievement 3.

CrowdSponsor

Waterloo

Co-Founder and Lead Backend Developer

2015–present

- Achievement 1;
- Achievement 2, with sub-achievements:
- Achievement 3.

Personal Projects

Sunami Music Player | Google Play Store

Repository 📄

Android application that plays music based on your current preferred genre and song playback history

- Implemented smart suggestion system for music using a graph of genres generated with the **Echo Nest API**
- Architected the application using asynchronous methods resulting in a smooth UX
- Added online music search and streaming using the **SoundCloud API**

LANParty | UWaterloo EngHack Spring 2015

Repository 📄

Play music from your library on someone else's phone over wifi

- Implemented mobile server that allows for music streaming between Android devices over wifi

IntoxicM8 | AngelHack Toronto 2015

Repository 📄

Android application that detects when you are intoxicated and helps you get home safely

- Created a web service that uses a support vector machine to determine if a person is intoxicated based on heart rate, location, time, age and gender
- **Tools:** Tornado, MongoDB, Google Roads and Maps API

WoahPaper

Repository 📄

Android application that allows users to change the wallpaper of other users' devices

- Developed all aspects of the application including the Android client and the server
- **Tools:** Android Studio, Java, NodeJS, MongoDB and Google Cloud Messaging

CityKit | 24 Hour Startup Hackathon Communitech

Repository 📄

A web application that displays local events on a map using Kitchener open data

- Developed the server backend which parses Kitchener open data for relevant events
- **Tools:** Ubuntu, Apache, NodeJS, MySQL and Google Maps API

Education

University of Waterloo

Waterloo

Candidate for Bachelor of Software Engineering, GPA 4.0/4.0

2014–2019