

# Wojtek Swiderski

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## Skills

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**Languages** Proficient in Python, C/C++ and Java; familiar with JavaScript, Scala and Go  
**Technologies** Tornado, PostgreSQL, Apache Kafka, Apache Thrift, Android SDK, NodeJS, MongoDB  
**Tools** Vim, Bash, Git, IntelliJ, XCode, Visual Studio

## Experience

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### Uber Technologies Inc.

*San Francisco, California*

SOFTWARE ENGINEERING INTERN - UBER FOR BUSINESS

*January - April 2016*

- Fucked bitches with respect

### Sony Creative Software

*Waterloo, Ontario*

SOFTWARE ENGINEERING INTERN

*May - August 2015*

- Worked on Sony Catalyst series of applications for professional video preparation and editing with developers around the world
- Developed APIs for UI components such as context menus used in all three Catalyst applications
- Implemented and debugged a feature which detects and corrects flash bands in media
- Worked with and debugged a large and complex code base shared between multiple applications
- **Tools:** C/C++, Qt Framework, QML and Javascript

### CrowdSponsor

*Waterloo, Ontario*

DEVELOPER

*February - August 2015*

- Prototype for crowdsourcing website with focus on supporting startups and promoting brand awareness
- Implemented campaign analytics that aggregates data gathered from Facebook and Google APIs about page visitors and voters
- Developed user registration using Facebook Login as well as single sign-on comment threads with Disqus
- Designed the database schema and wrote automated tests for the server code
- **Tools:** Python, Django, PostgreSQL, Google Geolocation and Analytics API, Facebook Graph API and AWS EC2

## Personal Projects

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### Sunami Music Player

GOOGLE PLAY STORE

- 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

### GlassBoard

HACK THE NORTH 2015

- Augmented reality Google cardboard application that allows users to interact with visual overlays
- Implemented face and point detection using OpenCV as well as messaging using the Twilio API

### Chordi.co

PENNAAPS XII

- Procedural music, taught with data from real artists
- Implemented music generation using a feedforward neural network with a training set of chord progressions from popular songs

### IntoxicM8

ANGELHACK TORONTO 2015

- Android application that detects when you are intoxicated and helps you get home safely
- Developed a web service that uses a support vector machine to determine if a person is intoxicated based on multiple factors

## Education

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### University of Waterloo

*Waterloo, Ontario*

CANDIDATE FOR BACHELOR OF SOFTWARE ENGINEERING

*2014 - 2019*

- Engineering and Mathematics Dean's Honours List (GPA 4.0/4.0)