





# Jason Zukewich

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## Skills

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**Languages** Python, Scala, Javascript (JSX), Octave, Java, Kotlin, Ruby, C, C++, PHP, SQL

**Tools/Frameworks** Keras, Sklearn, Pandas, GraphQL, Play Framework, React, Android, RxJava, Rails

## Experience

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### Dropbox

[San Francisco, CA](#)

BACKEND/INTERNAL TOOLS (PYTHON, STONE)

May–Aug 2017

- Implemented and improved functionality for Dropbox Api V2 endpoints to enable the shutoff of Api V1
- Added redaction and omission annotations and lint rules to Stone (Dropbox model/route specification language)
- Created JetBrains plugin to support Stone (syntax highlighting, code completion, etc) during Hack Week

### Coursera

[Mountain View, CA](#)

FULL STACK (JSX, REACT, SCALA, PLAY)

Sept–Dec 2016

- Launched a new Dashboard and Course Home experience improving course completions by 13%
- Moved Dashboard frontend/backend to use GraphQL as our first pilot project

MOBILE (ANDROID, KOTLIN, RXJAVA)

Jan–April 2016

- Helped build a new Dashboard, support for Peer Review assignments, an Accomplishments page, and more
- Rewrote large parts of the app to fit with our newer data architecture

### Textnow

[Waterloo, Canada](#)

MOBILE (ANDROID)

May–Dec 2015

- Wrote TextNow floating chat, a new call screen and messaging interface, and a Premium/Wireless redesign
- Fixed numerous bugs and made performance improvements to various parts of the app

### TechRetreat

[Waterloo, Canada](#)

LEARNATHON/ORGANIZER

Jun 2015–Aug 2016

- Helped organize Waterloo's first High-school Hackathon/Learnathon, Co-ran the Learnathon
- Taught attendees to build AIs for TechTanks (2015), and wrote Android Learnathon lesson plan (2016)

## Projects

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### TechTanks

Browser based game to teach Ruby, players write AIs to control tanks and battle against their friends

RAILS

Used at TechRetreat and Hack the North

### DDR Generator

Takes in an mp3 and outputs a step file that fits the style of the music

PYTHON, SKLEARN, KERAS

Extracts features relevant to the music and feeds through a series of models to generate steps

### Army Commander

Create/control an army using custom gestures for different formations or actions

ANDROID

Enemies form groups and work together to defend themselves

### Swipler

Detect hand gestures using your laptops mic and speakers with the Doppler effect

CHROME EXTENSION

Switches through or closes tabs when you swipe different directions

### Jarvis Coursera

Messenger bot that parses meaning from user queries and matches them to a set of commands

PYTHON, WIT.AI

Made at the Coursera Makeathon

### 3D Viewer

3D viewer for Android, turn your phone to move/look around

ANDROID

Built completely from scratch using only the basic Android canvas

## Education

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### University of Waterloo

[Waterloo, Canada](#)

BACHELOR OF COMPUTER SCIENCE

2014–2019 (Expected)

- Engineering Ambassador, First Year Mentor, Orientation Leader, Engineering Director

COURSERA - STANFORD MACHINE LEARNING

2016