



# Jason Zukewich

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## Skills

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### Languages

Javascript, Typescript, Python, Scala, Java, Kotlin, Ruby, C++, PHP

### Tools/Frameworks

React, Webpack, GraphQL, Play Framework, Rails, Flex/Bison, RxJava

## Experience

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### Airbnb - WEB INFRASTRUCTURE (JAVASCRIPT)

*May 2018–Present*

- Built CI bot to inform developers know when their PR made some files unused and could be deleted
- Cleaned up over 1000 unused source files, moved some older code onto current build pipeline

### Asana - CLIENT INFRASTRUCTURE (TYPESCRIPT, SCALA, PYTHON)

*Jan–April 2018*

- Codemodded various pieces of frontend tech debt, including switching away from index files
- Added GraphQL style directives to Asana query language, supported optimistic updates for one object type
- Refactored model/query code generation system, reduced generated bundle size
- Made performance regression testing system improvements and added more tests

### Dropbox - BACKEND/INTERNAL TOOLS (PYTHON)

*May–Aug 2017*

- Implemented and improved functionality for Dropbox Api V2 endpoints to enable the shutoff of Api V1
- Added redaction/omission annotations and lint rules to Stone (Dropbox model/route specification language)
- Created JetBrains plugin with 322 downloads for Stone (code completion, go to definition, etc)

### Coursera

#### FULL STACK (JAVASCRIPT, SCALA)

*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

#### ANDROID (JAVA, KOTLIN)

*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 - ANDROID (JAVA)

*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

## Projects

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### TechRetreat

#### HACKATHON

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)

### TechTanks

#### RAILS

Browser based game to teach Ruby, players write AIs to control tanks and battle against their friends  
Used at TechRetreat and Hack the North

### DDR Generator

#### PYTHON, SKLEARN, KERAS

Takes in an mp3 and outputs a step file that fits the style of the music  
Extracts features relevant to the music and feeds through a series of ml models to generate steps

### Army Commander

#### ANDROID

Create/control an army using custom gestures for different formations or actions  
Enemies form groups and work together to defend themselves

### Swipler

#### CHROME EXTENSION

Detect hand gestures using your laptops mic and speakers with the Doppler effect  
Switches through or closes tabs when you swipe different directions

### 3D Viewer

#### ANDROID

3D viewer for Android, turn your phone to move/look around  
Built completely from scratch using only the basic Android canvas

## Education

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### University of Waterloo - BACHELOR OF COMPUTER SCIENCE

*2014–2019 (Expected)*

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