

STEVEN YANG

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EDUCATION

• University of Waterloo

Bachelor of Computer Science, Honours, Co-op

Waterloo, ON

Sept. 2015 – June. 2020

EXPERIENCE

• Connected

Toronto, ON

Software Engineer

Sept. 2019 – Dec. 2019

- Implemented, Tested and Deployed natural language models and radio/music services for an Alexa Skill for the top North American radio company with [ASK SDKs](#), NodeJS, Python with [AWS](#) as database for user analytics and testing logs, [Jenkins](#) as the pipeline automation.
- Following an very interesting and industry-changing [Google's Conversation Design](#) guideline.
- Researched and developed several components for a front-end web application using [React](#) with ES6 standard. Created hundreds of unit tests and integration tests for each class modules with Jest as the testing framework.

Software Engineer

Jan. 2019 – Apr. 2019

- Developed and Maintained an [iOS](#) Application for a top US-based headphone company's main user app for connecting, setting up and playing music on millions of home speakers, soundbars and headphones written in [RxSwift](#), RxCocoa and RxTest in Xcode, with MVVM software architecture and Coordinator design pattern.
- Released features that consistently boosted customer feedbacks and led the App Store rating increased from 3 to 4.5.
- Led and Presented multiple feature & technical demos in client meetings and company-wide demos.

• Influitive

Toronto, ON

Software Engineer

Jan. 2018 – Apr. 2018

- Migrated production database and wrote APIs to improved front-end decoupling for the company's B2B service web application with Ruby on Rails, with heavily relying on [Docker](#) as the DevOps environment setup tool.
- Refactored 10k+ lines of code in database architecture for sensitive user information to improve privacy under the [GDPR](#) compliance.

• The Weather Network

Oakville, ON

Software Developer

May. 2017 – Aug. 2017

- Researched, Designed, and Implemented the next potential Canadian National Alert System user app, a cross-platform mobile application, written in [React Native](#), Babel, ES6, NodeJS and Python with Redis as the database system and NPM as the package managing tool.
- Developed a quick VR prototype using Unity and C# running on Google's [Daydream](#) system.
- Designed and implemented the UI/UX for the crowdfunding feature, geographical map representation, map layer selection, tile rendering, map pin grouping, and tens of icons and navigation actions for the application.
- Integrated back-end data collection algorithm by designing a standard JSON format for national alerts from multiple real-time official sources including Earthquake Alerts, Thunderstorm Alerts, Snowstorm Alerts, Public Health Alerts, etc.
- Recognized as an inventor on a [patent](#) application entitled [SYSTEMS AND METHODS FOR LOCATION-BASED ALERT GENERATION](#) filed by Pelmorex Corp. to the Canadian Intellectual Property Office and United States Patent and Trademark Office.

• TD Lab

Kitchener, ON

Innovation Developer

Sept. 2016 – Dec. 2016

- Researched, Designed and Implemented two [Android](#) prototypes using TD's real banking APIs and promotes innovation for the bank's sophisticated customer systems. Written in Java with Android Studio under strict [agile development](#) with weekly iterations and heavily documented processes and communication methods.
- Participated in full design cycles following [Google's Design Sprint](#) guideline.
- Won the chance to enter a beta release as a team after leading a formal presentation to the TD Innovation Council due to the highly innovative ideation and implementation of banking "transaction insights" feature.

PROJECTS

• Snake Game | C++, GUI

[GitHub](#)

• Sudoku Blitz | Java, Android

[Google Play Store](#)

SKILLS

- Languages:** JavaScript, Python, C/C++, HTML/CSS, Java, Swift, SQL
- Frameworks:** React, NodeJS, Api.ai
- DevOps:** Git, Docker, Jenkins, AWS, VS Code, PyCharm, IntelliJ, Android Studio, Xcode, Atom
- Interested in:** cats and music

