STEVEN YANG

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EDUCATION

- **University of Waterloo** — Waterloo, ON
  Bachelor of Computer Science, Honours, Co-op — *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
- **Frameworks:** React, NodeJS, Api.ai
- **DevOps:** Git, Docker, Jenkins, AWS, VS Code, PyCharm, IntelliJ, Android Studio, Xcode, Atom
- **Interested in:** cats and music