

## Skills

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**Languages:** Python, JavaScript, Java, C++, SQL, HTML/CSS

**Frameworks/Libraries:** React, Redux, VueJS, Node.js, MongoDB, Postgres, Webpack, Android SDK

**Design Tools:** Sketch, Photoshop, Illustrator, InVision, Figma, Lightroom

## Experience

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**Software Engineer** - Correlation One, *New York City* May 2018 - Aug. 2018

- Designed and implemented API and frontend functionality with **Django** and **VueJS** for *Terminal*, a 'code sports' game which evaluates software engineering talent.
- Pioneered manual play functionality by overhauling user on-boarding journey; created UI mocks and documented engineering specifications for this new feature.
- Optimized business logic in Python to run competitions on the platform **30% faster**.
- Built and styled several front end components; implemented flux pattern using **Vuex** for state management.

**Software Engineer & UI/UX Designer** - American Express, *Toronto* Aug. 2017 - Dec. 2017

- Designed and developed *Amex Ideas*, an internal platform to catalog business ideas. Created wireframes in **Sketch**, and developed backend, API layer, and front end using **MongoDB**, **Node.js**, **Express**, and **React**.
- Designed user flow and developed Android prototype for *Amex Unlocked*, a proposed gamification feature.
- Built administrative features for the *Insurance Services Portal* in Java with the Spring MVC framework, including CRUD functionality for policy data, **saving \$10,000** per client annually.

**Android Developer** - CBC, *Toronto* Jan. 2017 - Apr. 2017

- Developed new features, user interfaces, and bug fixes in major redesign of CBC News Android app in Java and XML, leading to a **16% increase in MAUs** to over 500k+.
- Worked with developer preview to release **Android Instant App** which was unveiled at **Google I/O 2017**.
- Created CBC News Android Auto proof-of-concept app using media sessions and services.

## Projects

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### Infor[me]

- Developed Android app for schools to manage announcement systems; released in beta to **1000+ users**.

### Learning Lock

- Phone lock, built as an Android service, which discerns user from intruder based on how pattern is drawn.
- Selected as a featured DevPost project in February 2016.

### Political News Bot

- Messenger chatbot relaying stories on news events from sources representing differing political views.

## Awards

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**1st Place** - American Express Canada GrowthHack

*Sept. 2017*

**2nd Place** - Ontario Engineering Competition, 2017

*Feb. 2017*

**1st Place** - Waterloo Engineering Competition, 2016

*Nov. 2016*