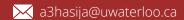
Avik Hasija

University of Waterloo 2B Systems Design Engineering











Skills

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

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

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

1st Place - American Express Canada GrowthHack
2nd Place - Ontario Engineering Competition, 2017
1st Place - Waterloo Engineering Competition, 2016