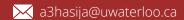
Avik Hasija

University of WaterlooSystems Design Engineering 2A











Skills

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

Frameworks/Libraries: Android, GSON, Retrofit, SQLite, Node.js, MongoDB, React, Redux, Express

Experience

American Express - Software Engineer & UI/UX Designer

Sept. 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/experience and developed Android prototype in **Kotlin** and **XML** for *Amex Unlocked*, a gamification platform to increase cardholder engagement.
- Built administrative features for the Amex International Insurance Services Portal (IISP) in Java with the Spring MVC framework, including CRUD functionality for policy data, saving \$10,000 in annual funding.
- Wrote controller, service, and repository layers in Java and SQL for dynamic updating of insurance claims, eliminating a 5 day processing time per claim.

CBC/Radio-Canada - Native App Developer

Jan. 2017 - Apr. 2017

- Developed new features, 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+.
- Implemented client-side functionality for trending articles, localized news, and overhauled app navigation.
- Worked with early developer preview of Android Instant Apps to create CBC News feature module, which
 was unveiled at Google I/O 2017.
- Created CBC News Android Auto MVP using media sessions and services.

Mindbend Studio - Lead Android Developer

Jul. 2015 - Feb. 2016

- Lead Android development for infor[me], a platform to manage announcements in large organizations.
- Created scalable hierarchal model, including administrative panel to manage and approve announcements.
- Released in beta to 1000+ users.

Projects

Political News Bot

- Chatbot relaying stories on news events from a variety of sources representing differing political views.
- Built on Facebook Messenger Platform using Node.js, MongoDB, and Indico's sentiment analysis API.

Learning Lock

- Android lock screen which differentiates between user and intruder based on how pattern is drawn.
- Developed as an Android service with a neural network built with the Encog ML Framework.
- Selected as a DevPost weekly staff pick in February 2016

Awards

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

Sept. 2017

Feb. 2017 Nov. 2016