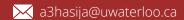
Avik Hasija

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

- Worked on ideation, design and development of Amex Ideas, an internal platform to catalog hackathon
 projects and business ideas. Created wireframes in Sketch, and developed backend, API layer, and front
 end using MongoDB, Node.js, Express, React, and Redux.
- 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