Eddy **Ionescu**

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Experience

UGO Wallet / TD Bank
Toronto, Canada

MOBILE APPLICATIONS DEVELOPER
May 2016 - August 2016

Jenkins Pipeline
- Implemented a Multi-Branch Continuous Integration solution that generates pipelines from Git branches in Gitblit and pushes builds to QA via HockeyApp, speeding up the development cycle - *Groovy, Bash and Python*.
- Held discussions with team-leaders from Development and QA to establish requirements and procedures.

iOS
- Improved navigation and usability by replacing the hamburger menu with tabs - *Objective-C*.
- Implemented and tested various fraud-analysis REST APIs - *Swift*.

Android - *Java in Android Studio*
- Worked with developers and product to implement analytics events, user-flows and network calls for a major project.
- Created an Android library that allows other apps to use UGO's loyalty/gift cards functionality/UI and integrated it into the TD App.
- Implemented location-based feature that showed cards relevant to nearby merchants using Google Places API.
- Initiated transition to Material Design by integrating AppCompat into the existing app, adding various Material-exclusive features, and presenting it at the biweekly developer huddle.

KMH Cardiology & Diagnostic Centres
Toronto, Canada

SOFTWARE DEVELOPER
July 2015 - August 2015

Xamarin - *C# in Visual Studio*
- Created two Android and iOS apps: one for referring physicians and another one for patients (iRefer KMH and KMH Labs).
- Created local SQLite database that stores and retrieves submitted forms using LINQ and SQL.

Projects

Transibot
Transibot.com

TELLS YOU WHEN THE NEXT BUSES AT YOUR CLOSEST STOPS WILL ARRIVE IN REAL-TIME
Dec. 2016 - PRESENT
- Facebook Messenger Chatbot that shows real-time information for Waterloo (Cupertino coming soon) - *Node.JS.*
- AWS Lambda service updates database with departure times retrieved from GTFS/Nextbus feeds - *Go.*
- Set up *PostgreSQL* database with PostGIS on AWS RDS as to quickly retrieve the closest stops based on coordinates.
- Configured *Ubuntu AWS EC2* instance for the development bot that had SSL with NGINX, and used *AWS Elastic-Beanstalk* for the production bot, for auto-scaling and seamless deployment.

Sentimize
Sentimize.me

LETS YOU SORT YOUR SONGS BASED ON HOW YOU WANT TO FEEL
May. 2016 - PRESENT
- Analyzes the key, tempo, and pitch of songs as to predict their moods - *Java, C++ and NDK.*
- *SQLite* database caching. Made with *Material Design* in Android Studio. Published on Google Play.

Algorithms

Canadian Computing Competition
University of Waterloo

TOP 50 OUT OF ABOUT 1500 STUDENTS IN THE SENIOR CANADIAN COMPUTING COMPETITION
May 2015

Don Mills Open Programming Contest Problem-Setter
Don Mills Collegiate Institute

DON MILLS ONLINE JUDGE
Sep. 2014 - June. 2015
- Wrote algorithmic problems (graph-search, sorting, DP, greedy, etc.) for the DMOPC, which was held monthly and written by about 150 students from across Ontario.
- Was a lead-organizer of the Don Mills Programming Gala, an on-site programming contest attended by 120 students.

Education

University of Waterloo
September 2015 - December 2019

BACHELOR OF COMPUTER SCIENCE, HONOURS

Functional Programming - *Scheme*, Logic - *Coq*, Object Oriented Programming - *C++14*, Compilers - *Scala*