Nygel **Lopez**

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Experience

Flipp Corp. *May 2017 - Present*
JR. SOFTWARE ENGINEER

- Work as a member of an agile-driven team to develop one of the most popular shopping apps on the Play Store, with over 10 million downloads.
- Modernized the Browse UI on Flipp, increasing user engagement and giving the app a more modern look and feel consistent with Material Design guidelines.
- Wrote instrumentation tests using Espresso and Mockito, increasing automation coverage by over 25 percent.
- Implemented an in-app ratings prompt, resulting in over 10 times increase of Play Store ratings from users upon release, and continued consistent feedback.

Education

University of Toronto *Toronto, Ontario*
BACHELORS OF SCIENCE IN COMPUTER SCIENCE, MINOR IN MATHEMATICS *Sept. 2014 - PRESENT*

- Overall GPA: 3.43

Projects

I Wanna Be The Hero *May 2014 - Aug 2014*
PROJECT CREATOR

- Developed a 2D Platform game based on the popular indie game I Wanna Be The Guy.
- Programmed only using Java's built-in libraries; the game is run completely on custom unit collision and physics, akin to Mario-style physics.
- Uses a double buffer for drawing in order to ensure responsiveness and little to no tearing or stuttering.

Reminder Android App *Aug 2016 - Oct 2016*
PROJECT CREATOR

- Developed an Android application using Android Studio that allows users to add notes and alerts.
- Uses Loader API and ContentProviders, along with SQLite databases to store and load data, allowing quick queries, as well as ensuring responsiveness and data consistency.

Warehouse Wars MMO *Mar 2017 - Apr 2017*
PROJECT CREATOR

- Developed an online MMO that allows players to escape from and kill monsters by using the scattered boxes around the arena.
- Uses JQuery to handle AJAX requests to the backend. Front-end rendered with HTML5 Canvas and includes gyroscope controls for improved mobile responsiveness.
- Back-end implemented using Express and MongoDB, along with ws to enable multiplayer functionality.

Skills

Computer Languages	Java (Proficient), JavaScript (Proficient), Python (Proficient), PHP (Proficient), HTML/CSS (Proficient), C (Familiar)
Version Control	Subversion, Git
Databases	OracleSQL, PostgreSQL, MongoDB
Tools and Frameworks	IntelliJ IDEA, Android Studio, IDLE, Shell, jQuery, Bootstrap, Express, Espresso, Mockito