

# Eddy Ionescu

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## Experience

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### RideCo - Software Developer Co-op (Remote)

Waterloo

WORKED ACROSS THE STACK THAT POWERS ON-DEMAND MICROTRANSIT FOR AGENCIES AROUND THE WORLD.

May 2020 - August 2020

- Designed and implemented ability to customize SMS messages for different transit agencies - **Python, Django**.
- Improved usability of the operators dashboard through bug fixes and customizable map defaults - **AngularJS**.
- Contributed to internal data platform for analysts; migrated Access tables and updated documentation - **Python, Access**.

### Metrolinx Planning Co-op - Service Planning

Toronto

I WAS PART OF THE SERVICE EXPANSION AND MOBILITY INTEGRATION TEAMS, WHICH FOCUS ON LONG-RANGE GO RAIL AND BUS PLANNING AND ON THE CONNECTIVITY OF STATIONS.

May 2019 - August 2019

- Created performance metrics dashboard for evaluating and analyzing GO bus routes - **SQL, Excel**.
- Designed guidelines for assessing and responding to the performance of GO Bus routes as part of the 10-Year Bus Strategy.
- Improved the accuracy and simplicity of scoring the quality of local transit connections at GO stations - **Python, Pandas**.

### Toronto Transit Commission - Student Planner

Toronto

SERVICE PLANNING DESIGNS THE SERVICE REQUIRED TO EFFICIENTLY AND EQUITABLY SERVE TORONTO.

January 2019 - April 2019

- Performed a service review of Morningside Heights and recommended expanding late-evening service to the 39B route.
- Assisted with public consultations for the Junction Area Study at subway stations and open houses.
- Automated the inputting of APC count reports into the crowding metrics dashboard - **Excel**.
- Visualized surges in crowding, including at stops next to schools, using APC data - **React, Plotly, Python**.

### Yelp Engineering Intern - Ads Autobidding

San Francisco

THE AUTOBIDDING TEAM IS RESPONSIBLE FOR SETTING THE BIDS THAT ADVERTISERS USE. I WAS ON THE PROJECT THAT FOCUSED ON MAXIMIZING THE LONG-TERM VALUE OF NEW ADVERTISERS.

May 2018 - August 2018

- Analyzed experiment results for different business categories as to verify predictions used in the models - **Jupyter**.
- Improved robustness of data gathering and feature generation - **Python, Redshift, MapReduce, PySpark**.
- Streamlined experiment analysis for the growing team by writing utils and backfilling experiment info - **Python, Redshift**.

### Yelp Engineering Intern - Consumer Analytics

San Francisco

THE CONSUMER ANALYTICS TEAM IS RESPONSIBLE FOR A/B TESTING INFRASTRUCTURE AND THE DATAWAREHOUSE.

September 2017 - December 2017

I WORKED ON THE WEB-APPS FOR EXPLORING DATA SOURCES AND DEPLOYING EXPERIMENTS.

- Implemented and code-reviewed experiment-creation components for Beaker, the experiment design tool - **React, Redux**.
- Added feature that allows business analysts to share their queries and see which queries make use of certain tables.
- Improved exploration of data sources across Yelp by writing a batch that surfaced tables from the datawarehouse along with their generated Avro schemas - **Python, MySQL, SQLAlchemy, Pyramid, Redshift**.

### Hustle - Software Engineering Intern

San Francisco

HUSTLE ALLOWS ORGANIZATIONS TO COMMUNICATE WITH INDIVIDUALS AT SCALE VIA PEER-TO-PEER TEXTING.

May 2017 - August 2017

I WORKED ACROSS THE STACK, FOCUSING ON DESIGNING AND SHIPPING A NEW FEATURES.

- Allowed organizations to record opt-out reasons when texting leads as to find new insights and to better target messaging. Mobile - **React-Native**, Web - **React, Redux, Flow**, Backend - **Node**.
- Improved custom integrations with Hustle by adding new endpoints and improved error handling to the API - **Node, Express**.
- Enabled admins to unassign and delete agents from their organization - **Node, MongoDB**.

### UGO Wallet (TD Bank) - Mobile Applications Developer Co-op

Toronto

SET UP JENKINS AND WORKED ON THE ANDROID (JAVA) MOBILE WALLET APP.

May 2016 - August 2016

## Projects

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### OpenTransit - Contributor, Founder, and former Project Lead.

[muni.opentransit.city](http://muni.opentransit.city)

IMPROVING MUNI BY EMPOWERING TRANSIT ADVOCATES AND RIDERS WITH SPEED AND RELIABILITY DATA

November 2017 - PRESENT

- Project repositories and more at [github.com/eddyionescu](https://github.com/eddyionescu)

## Education

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### University of Waterloo

September 2015 - September 2020

HONOURS BACHELOR OF COMPUTER SCIENCE

Distributed Systems, Security, Advanced Algorithms, Transit, Land Development, and Infrastructure Planning, Issues in Housing.