


Eddy Ionescu

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Experience

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 FROM NEW ADVERTISERS, FOR WHICH I WORKED ON

May 2018 - August 2018

EXPERIMENT ANALYSIS AND DATA ENGINEERING.

- Analyzed experiment results for different categories, like restaurants and local services, as to uncover mechanisms and 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**.
- Initiated cross-team collaboration with Consumer Analytics team on bringing their experimentation platform to Ads and on specifying the data+engineering requirements.

Yelp Engineering Intern - Consumer Analytics

[San Francisco](#)

THE CONSUMER ANALYTICS TEAM IS RESPONSIBLE FOR THE A/B EXPERIMENTATION PLATFORM, METRICS INFRASTRUCTURE, AND THE DATAWAREHOUSE. I WORKED ON THE WEB-APPS FOR EXPLORING DATA SOURCES AT YELP AND FOR DESIGNING AND DEPLOYING EXPERIMENTS.

September 2017 - December 2017

- 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. I WORKED ACROSS THE STACK, FOCUSING ON DESIGNING AND SHIPPING A NEW FEATURE THAT ALLOWS ORGANIZATIONS TO RECORD OPT-OUT REASONS.

April 2017 - August 2017

- 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**.
- Added new endpoints and improved error handling in the API, which allows larger customers to integrate their software with Hustle - **Node, Express**.
- Enabled admins to unassign and delete agents from their organization - **Node, MongoDB**.

UGO Wallet - Android Developer Intern

[Toronto](#)

PART OF TD, UGO WALLET IS A MOBILE APP THAT ALLOWS USERS TO USE THEIR REWARDS, LOYALTY, AND CREDIT CARDS. I WORKED ON IMPROVING THE USABILITY OF THE APP AND ON DEPLOYING A JENKINS PIPELINE

May 2016 - August 2016

- Configured Jenkins to generate pipelines from Git branches and send builds to QA via HockeyApp - **Groovy, Bash, Python**.
- Improved navigation and usability by replacing the hamburger menu with tabs - **Objective-C**.
- Implemented and demoed location-based feature that shows cards relevant to nearby merchants - **Java**.

Education

University of Waterloo

[September 2015 - December 2019](#)

BACHELOR OF COMPUTER SCIENCE, HONOURS

Functional Programming - **Scheme**, Logic - **Coq**, OOP - **C++14**, Compilers - **MIPS, Scala**, Optimization, Transit Planning and Operations.

Projects

OpenTransit

[OpenTransit.city](#)

VISUALIZES THE SPEED AND RELIABILITY OF TRANSIT ROUTES USING REALTIME DATA

October 2017 - PRESENT

- Project lead of OpenTransit at the weekly Code for San Francisco hack night.
- Designing an engagement platform for transit agencies to gather feedback and iterate on proposals - currently working on this with Code4SF, DataSF, and Waterloo Region.
- Frontend - **React, Relay, MapGL**. Backend - **Node, Cassandra, GraphQL, Docker**.

Transibot

[Transibot.com](#)

MESSANGER CHATBOT THAT TELLS YOU WHEN THE NEXT BUS WILL ARRIVE

January 2017 - March 2017

- Shows realtime departure times from Nextbus and GTFS-RT (real-time vehicle locations) feeds - **Node, Elastic-Beanstalk**.
- Batch script updates stops table using GTFS data as to locate the user's closest stops - **Go, MongoDB**.

Many more at github.com/Eddylonescu

Sentimize

LETS YOU SORT YOUR SONGS BASED ON HOW YOU WANT TO FEEL

- Analyzes the key, tempo, and pitch of songs as to predict their moods - *Java, C++, NDK, SQL-Lite*.

[Sentimize.me](https://sentimize.me)

August 2016 - November 2016

Don Mills Open Programming Contest

MONTHLY CONTEST WITH ABOUT 100 MONTHLY PARTICIPANTS FROM ACROSS ONTARIO.

- Authored graph, greedy, implementation, and DP style problems and published test-cases and solutions.
- Gave talks on solutions to similar problems as part of leading the Don Mills Programming Club.

[DMOJ.com](https://dmoj.com)

September 2014 - May 2015