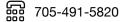
OZZIE KIRKBY



ozzie.kirkby@gmail.com







EDUCATION

Queen's University (May 2021) Major in Mechanical Engineering

SKILLS



HOBBIES

Long Distance Running		Physics
Hockey	Reading	

LANGUAGES

English Bilingual proficiency

French (Bilingual proficiency)

Russian (Beginner)

EXPERIENCE

Shopify Software *Engineer Intern*

May 2019 - Aug. 2019

- Developed dimensional models using PySpark and star modelling techniques to identify potential performance improvements within the Data Infrastructure.
- · Designed a failure resilient architecture to manage the complicated state transitions for an internal product.
- · Helped develop the fundamental architecture for a new system to allow for the discovery of data assets produced internally.

Technologies: Python, Ruby on Rails, SQL, React + Typescript, Spark, Elastic Search

Shopify iOS *Engineer Intern*

May 2018 - Aug. 2018

- · Developed features to make it easier for merchants to gain insights into their business, reaching over 500k active users.
- · Designed new components within the Home tab, resulting in a more reliable and engaging mobile experience.
- · Integrated a new flow for merchants to identify, address, and monitor revenue opportunities within their business.

Technologies: Swift, UIKit, Xcode, FunctionalTableData, GraphQL

Bounce (Startup) Full Stack Engineer

Sept. 2017 - Apr. 2018

- Designed and developed a platform where students can host and find events in their region.
- Created an iOS app to find and pay for events in advance.
- Created a web dashboard for hosts to manage the events and track ticket sales.

Technologies: Swift, Node.Js, Javascript, React, Flask, Stripe, Mapbox, Firebase

PROJECTS

Outflow iOS App

Sept. 2015 - Current

- · Designed, developed, and marketed an iOS app to help manage the complexity of recurring subscriptions by making it easy to understand where your money is being spent.
- · Created a feature to help users find pre-existing subscriptions by searching the users Gmail
- Grossed over \$17,000 CAD in paid app downloads and hundreds of monthly active users.

Technologies: Swift, Xcode, UlCollectionView, Firebase, Python, Node.js, Sketch, HTML/CSS

Flatline (Hackathon) iOS App / Web Dashboard

Created a platform where educators could gain real-time insights into student engagement throughout lectures. Utilized Apple's Core ML and machine vision frameworks to track students facial reactions in real time. Developed at QHack 18. (devpost.com/software/flatline)

Technologies: Swift, Xcode, ARKit, CoreML, Vision, HTML / CSS, Firebase

AWARDS

Scotiabank Best use of Al / Machine Learning tools at QHack 2018. **Enlight Startup Hackference Finalist**

Apple World Wide Developer Conference 2016, 2017, and 2018 Scholarship Recipient