

OZZIE KIRKBY



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EDUCATION

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

SKILLS

Swift Python mongoDB SQL

Javascript Spark Ruby Go

MATLAB

UIKit node.js numpy GraphQL

Arduino Ruby on Rails React

ElasticSearch

UI Design Data Visualization

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 account.
- Grossed over \$17,000 CAD in paid app downloads and hundreds of monthly active users.

Technologies: Swift, Xcode, UICollectionView, 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 AI / Machine Learning tools at QHack 2018.

Enlight Startup Hackference Finalist

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