Adil Jiwani

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Skills

ML: Python, Tensorflow, scikit-learn, Hadoop, PyTorch, SQL

iOS/Android: Swift 5, SwiftUI, Objective-C, Java, Kotlin

Education

BSc Systems Design Engineering

University of Waterloo

Graduation: Apr 2021

Experience

Deep Learning Intern - Triage Technologies   May - Aug 2020

- Built an object detection model to crop images to region of interest increasing final accuracy by 8%
- Developed a CNN to give live feedback to user on image quality using MobileNet architecture
- Experimented with reinforcement learning to build a Q/A system improving top-1 accuracy by 7%

Software Engineer Intern - Apple   Sep - Dec 2019

- Ideated and prototyped Pocket, a new iOS productivity feature, leveraging Core Data and UIKit
- Showcased Pocket, user impact and APIs for third party developers to senior management
- Fixed bugs and improved performance for iOS 13 and 14 using Objective-C

Software Engineer Intern - Zynga   Jan - Apr 2019

- Collaborated with designers and PM to redesign and add new features to Boggle with Friends app
- Shipped Watch To Earn feature on iOS app to 1 million users, increasing ad revenue by 79%
- Created a player progression system on Android app which increased user retention by 17%

Software Engineer Intern - Cover M̲   May - Aug 2018

- Developed new iOS app for over 500k monthly users using MVVM architecture
- Implemented the Cover Referral Program (iOS and Rails), reducing cost per acquisition by 30%

Data Engineer Intern - Manulife   Sep - Dec 2017

- Developed a cost optimization algorithm using Spark to scale over-provisioned virtual machines
- Reduced monthly Microsoft Azure subscription costs by almost $5 million

Data Engineer Intern - TD Bank   Jan - Apr 2017

- Reduced query time in Apache Hive by 30% by applying secondary indexing to benchmark data

Projects

Jiwani Classifier - Neural network M̲

- Implemented CNN to classify images of my family using Keras to attain test set accuracy of 92.3%
- Built GAN to generate images of faces to increase dataset size which increased accuracy to 95.4%

Divide - iOS App ⌖

- Created an app to split payments with friends, retrieved data from receipts using Core ML

Rant - iOS App Ⓐ

- Building an app on a team of 5 to send disappearing voice chats using Firebase with over 10k users