Manan Patel

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Experience

Wattpad Inc. — Toronto, ON
iOS Engineer — Aug 2021 - Present

- Swift, SwiftUI, and Obj-C engineering for the iOS Wattpad App
- Lead iOS Engineer for the new Comment Liking experience, which resulted in more than a 250% engagement bump for commenting within the Wattpad App
- Part of several User Safety projects like Password Strengthening, User Block, and Age Safety restrictions
- Helped implement a design system through an atomic design methodology for a unified product and developer experience
- Took on bi-monthly release master duties to test, monitor, resolve, and release new version updates to TestFlight and App Store
- UIKit, SwiftUI, StoreKit, and Swift Package Manager (creation and maintenance of in-house packages)

Environment & Climate Change Canada — Toronto, ON
Software & iOS Developer — May 2017 - July 2021

- Concept to completion release of the Canadian governmental national weather iOS app, WeatherCAN, with only a 2 person team and 1 year timeline
- Work with VueJS to create GUI layers for the Weather GC website redesign project, such as real-time lightning strikes, weather radar, and weather alerting
- Creation and maintenance of XML Parsers, Product Generators, and support of all weather components related to observations, forecasts, and alerts for National Weather outlets
- Established real-time consumer facing databases and weather alerting systems for mobile applications and APIs

Department of Economics, University of Toronto — Toronto, ON
Statistical Research Assistant — Sept 2016 - Dec 2016

- Developed machine learning models of economic information about the countries of Peru and Canada to analyze the effect of trade policies on regional trade output
- Created databases using Python and R based pre-processing techniques which were used to formulate and train machine learning models to generate inferences about efficient trade policies

Skills

Programming Languages:	Swift, Objective-C, Java, Kotlin, Python, JavaScript, R
Tools:	XCode, Android Studio, Git, Jenkins, Firebase, Docker, Sketch, Figma
Databases:	CoreData, PostgreSQL, MongoDB

Education

University of Toronto — Toronto, ON
Bachelors of Science (Co-op) - Computer Science & Statistical Machine Learning — Sep 2013 - May 2019

Projects

GroSaver *Swift*
An iOS application that uses OCR to read receipts and reminds you when your food is expiring to reduce food waste. Reads users grocery receipts and after a period of time reminds them when the types of food they bought are expected to go bad. Written in Swift and uses the CoreML to parse the data from the images and APNS to send notifications.

UiTube *JavaScript, HTML, CSS*
A chrome extension that changes the Youtube UI so that users can view the video, read comments, get the video info and related videos all in 1 page as well use night mode, auto disable annotations, etc.. Written using mainly JavaScipt, HTML, and CSS. Uses the Youtube and Google API's.