

Arpit Patel

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Experience

L'Focus Consultancy Inc - iOS Developer - San Jose, CA

June 2016 - August 2016

- Built entire iOS frontend for SnapRx (10,000+ downloads) by learning Swift and Xcode IDE from scratch
- Reverse engineered SnapRx's Android app to improve and replicate UI flow with CocoaTouch and CocoaPods
- Integrated autofill features to reduce login and registration time
- Pharmaceutical app, SnapRx, is currently available on the Play Store and my implementation can be found on GitHub
- Gained an Excellent job performance rating

Cambrian Solutions - Jr IT Technician - Oakville, ON

June 2013 - August 2013

- Proposed new technologies and cloud platforms that would increase efficiency within Cambrian during meetings
- Created Excel spreadsheets to sort Cambrian's suppliers and customers in an organized manner

University of McMaster - LEAP Computer Engineering Participant

August 2013 - August 2013

- Built a music amplification hardware system using intermediate circuit and program design

Stephen Lewis Secondary School - Math and Science Tutor

September 2014 - January 2015

- Taught and reinforced course topics to fellow senior and junior students

Projects

Student Colonization Game

C++, Git, Object-Oriented Programming

- Developed an altered version of the popular Settlers of Catan game
- Used abstract data structures, design patterns, and object-oriented design to ensure clean and efficient C++ code
- Debugged and profiled code whilst implementing new features using Git

Caesar Cipher Web Application

Python, Flask, Vagrant, Linux/Unix, HTML

- Encrypts and decrypts any given message using different encryption schemes
- Launched a Linux web server to host the web app using vagrant
- Designed user login such that an RSA based public key authentication file is required for server access

Create Meetups MEAN Stack App

MongoDB, ExpressJS, AngularJS, NodeJS

- Built a responsive single-page web app that takes in and stores meetup data using the MEAN Stack

Personal Website

HTML, CSS

- Assembled website using HTML and CSS

Skills

Languages: C/C++, Scala, Racket/Scheme, Python, Bash, Swift

Technologies/Frameworks: Git, Unix/Linux, iOS, CocoaTouch, CocoaPods, HTML, Vagrant, Flask, MEAN Stack

Education

University of Waterloo: Candidate for Bachelors of Computer Science, Co-op

Class of 2020

- **Presidents Scholarship of Distinction**
- **Relevant Coursework:**

Designing Functional Programs - **Elementary Algorithm Design and Data Abstraction**

Configuring Linux Web Servers - **Object-Oriented Software Development**

Foundations of Sequential Programs - **Data Structures and Data Management**

Computer Organization and Design - **Intro to iOS App Development with Swift**