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 the Xcode IDE from scratch
- Reverse engineered SnapRx's Android app to improve and replicate UI flow with CocoaTouch and CocoaPods
- Designed and implemented autofill features to reduce login and registration time
- Pharmaceutical app, SnapRx, is available on the Google Play Store and iOS App Store (Link)
- 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 written in Python
- Launched a Linux web server for web app hosting 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, CSS, and Bootstrap

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**