Arpit Patel

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C/C++ - Bash - Python - Scala - Racket - Swift - iOS - Git - Unix/Linux - Vagrant - Flask - MEAN - HTML

Job Experience

L'Focus Consultancy Inc - San Jose   **June 2016 - August 2016**
iOS Developer

- 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 - Oakville   **June 2013 - August 2013**
Jr IT Technician

- 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

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

Other Experience

Stephen Lewis Secondary School   **September 2014 - January 2015**
Math and Science Tutor

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

University of McMaster   **August 2013 – August 2013**
LEAP Computer Engineering Participant

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

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**