

# Arpit Patel

C/C++ · HTML · Bash · Python · Swift · Racket/Scheme · Git · iOS · Unix/Linux · Vagrant · Apache · Flask · MIPS

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## Experience

### L'Focus Consultancy Inc · San Jose

June 2016 - August 2016

iOS Developer

- Participated in weekly scrum calls and learnt **agile** methodologies.
- Learned **Swift 2.0** and **Xcode** framework from scratch to build responsive **iOS** application screens.
- Implemented Frontend UI for pharmaceutical app SnapRx (**10,000+ downloads**).
- SnapRx is available on **Play Store** and **App Store**, and the implementation can be found on **GitHub**.
- Gained an **Excellent** job performance rating.

### Cambrian Solutions · Oakville

June 2013 - August 2013

Jr IT Technician

- Maintained and enhanced office technologies.
- Gave proposals for new office technologies during meetings using **power point** presentations.
- Used **Excel** spreadsheets to sort **Cambrian's** suppliers and customers in an efficient manner.
- Gained an excellent sense of corporate expectations by following given deadlines.

### Chefs Depot · Markham

December 2013 - March 2014

Customer Service Associate

- Gained **customer service** experience through the surrounding retail business environment.
- Handled customer related issues and inquiries related to the different products available.

## Projects

### Student Colonization Game

C++, Git, Object Oriented Programming

- Used **GitLab** to remotely develop an altered version of the popular **Settlers of Catan** game in a group of 3.
- Used strong **OOP** principles to ensure clean and efficient **C++** code with no raw memory management.

### Cesar Cipher Web Application

Python, Flask, HTML

- Wrote a **symmetric-key-encryption** algorithm that encrypts and decrypts any given string.
- Used the microframework **Flask** and **mod\_wsgi** module to deploy the **Python** based web application.
- Used **Flask's request** and **template** modules to handle **client-server** communication.
- In the process of learning more security concepts to integrate more **encryption schemes**.

### Secure Linux Web Server

Vagrant, Linux/Unix, Ubuntu, Apache

- Used **Vagrant** to create a secure **Linux** webserver, which utilizes the **Ubuntu** distribution.
- Used the **ssh-keygen** tool so that **RSA** based **public key authentication** file is required for user login.
- Configured **Apache** and **user permissions** to integrate my **Cesar Cipher Web Application** as a user.

### Create Meetups MEAN Stack App

MongoDB, ExpressJS, AngularJS, NodeJS, JavaScript, HTML

- Built a responsive web app that takes in and stores meetup data to learn the technologies of the **MEAN Stack**.
- In the process of developing a more complex **MEAN** app to further my skills in the **MEAN** framework.

Find more projects on **GitHub**

## Education

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

Class of 2020

President's Scholarship of Distinction

Courses included (Udacity Courses Included):

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**