




Mayank Gandhi

 mayankgandhi50@gmail.com

 LinkedIn: /in/mayankgandhi

 +1 (646) 583 2564

 Github: /mayankgandhi

Work Experience

Product Engineer (iOS) - Abord LLC (Mar'20 - Apr'20)

- Translated design plans into full iOS app frameworks, delegating project components to appropriate team members while adhering to Apple Mobile Human Interface Guidelines
- Designed the infrastructure and APIs for User Authentication and Social Media functionality to ensure in app response times of <100ms using AWS Amplify and AWS AppSync's server less architecture
- Integrated various third-party solutions like Twilio API to add programmable chat for the users, Google Places API to enable location based place search, Algolia API to add search
- Applied Apple's Swift development language and MVVM design patterns to code native iOS application using SwiftUI and Combine frameworks

Undergraduate Teaching Assistant - Department of Computer Science (Aug'19 - Dec'19)

- Collaborated with faculty and other TAs to cultivate a supportive learning environment in CSC 335 - Object Oriented Programming course and Coach students in methods for solving problems efficiently, presenting ideas concisely, and communicating with others effectively
- Mentored students through office hours and one-on-one communication
- Maintained atmosphere of academic learning and advancement to facilitate learning and development of critical thinking skills

Tech Fellow - www.Codepath.org (Jun'18 - Feb'19)

- Increased the largest pipeline of high-performing underrepresented engineers in tech via Codepath, a nonprofit that has raised \$1 million from Facebook and is bringing industry level courses to 23+ universities
- Taught Facebook-designed 12-week iOS course for two semesters on campus teaching 15+ students the fundamentals of app development through hands-on experience
- As an instructor, I was required to maintain a high-level of understanding of the curriculum topics including but not limited to: Software Development Life Cycle - Agile methodology, Object Oriented Design, building wireframes, Concurrent multi threaded code and Optimising code for performance

Software Development Intern - AskAtlas.ai (Dec'18 - Jan'19)

- Collaborated with the co-founder on a cloud application for the first open source Marketing AI and Analytics Platform
- Created Entity-Relationship models and designed Relational Database Schema
- Personally Responsible for developing a JSON based REST API to allow user authentication for Web and Mobile apps

Personal Projects

SharePhoto [NodeJS,SailsJS]

- Developed a Full stack service that allows users to upload their holiday pictures and send everyone's photos based on face detection using Google's Cloud Vision API on AWS Elastic Beanstalk

Java Compiler [Java]

- Implemented a Parser, Syntax Tree and Symbol Table Generator that helps generate optimised three address code which was later used to produce C-Assembly Code from Java source-code

Pokemon Ball - Top down adventure game [JavaFX]

- Collaboratively built a top-down adventure game similar to Legend of Zelda with 9 different areas of explorable content on the map
- Implemented JavaFX to build the front end of the game and implemented UML design language and Scrum software development framework to engineer the project

Parstagram - iOS application [Swift, MongoDB]

- Designed an Instagram-clone using Swift that allows users to sign in/sign up and create posts, follow other users, like and comment on posts, check post stats and tag location for posts
- Implemented user authentication and file storage through the parse server created using Heroku

Summary

- Ambitious Computer Science graduate with strong foundations in Computer Science with experience working in tech startups to produce high-quality, user-friendly, scalable and bug-free software.
- I enjoy collaborating with others to gain various perspectives to refine strategies. I believe that efficient communication can be effective in fast paced environments especially when working with cross functional teams.
- I am also a First generation college student who can speak in English, Hindi, Telugu, Java and Swift. In my free time, I enjoy cooking and doing Yoga.

Education

University of Arizona, Tucson, AZ
Graduation: December 2019

Bachelor of Science in Computer Science
Minor in Business Administration

Relevant Course Work

Analysis of Discrete Structures, Database Design, Compilers and System Software, Automata, Grammars and Languages, Green Computing, Object Oriented Programming, Systems Programming and UNIX

Professional Skills

Languages

Java, Swift 5, C, Javascript, GraphQL, NodeJS
HTML, CSS, SQL

Frameworks / APIs

iOS Frameworks (i.e. WebKit, MapKit, ARKit, AVFoundation, Vision), SwiftUI, Combine, Parse, AutoLayout (constraints), CocoaPods
React, Docker

OAuth2, JSON Web Tokens, ElasticSearch

AWS - Amplify, AppSync, DynamoDB, Cognito
EC2, Lambda, S3

Tools

Version Control(Git), Project Management(Jira)

Certifications

- Amazon Web Services - Lambda
- DevOps Foundations
- DataScience on Google Cloud Platform - Predictive Analytics