Amaan Marfatia

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EDUCATION

Georgia Institute of Technology, Atlanta, GA
— *Candidate for B.S. in Computer Science and Mathematics*

AUGUST 2017 - PRESENT (Expected Graduation: MAY 2021)

Current GPA: 4.0

Threads: Information/Internetworks, Systems and Architecture

Extracurriculars: Programming Team, Math Club, Android Development Club

Key classes taken: Data Structures and Algorithms, System and Networks, Probability Theory, Design and Analysis of Algorithms

EXPERIENCE

Bank of America, Jersey City, NJ — *Technology Summer Analyst*

JUNE 2019 - AUGUST 2019

Worked with the Independent Price Verification team while using Python.
Modernized python files to transition whole project from using Python 2.7 to 3.7.
Updated and fixed over 750 failing unit tests to run in memory and in parallel in the process.

Match Group, Inc, Dallas, TX — *Full Stack Software Engineer Co-op*

JANUARY 2019 - MAY 2019

Worked on the Plus1 Labs team to build the Android dating app Ship using Kotlin, XML, and SQL. Built the app from scratch and added the swiper screen, profile tab, crew pages, chat components, and databases using Room. Worked heavily with Android architecture components and merged local and remote data streams to form reactive screens.

Developed a CI/CD pipeline using Jenkins that can push builds to the Play Store, make build notes, and inform the team of failing builds, linting issues, and code coverage drops using Jacoco.

The Rainmaker Group Ventures, LLC, Alpharetta, GA — *Technical Associate Intern*

JUNE 2018 - AUGUST 2018

Worked as a full stack intern on GuestRev, a revenue management system, using the ASP.NET MVC framework, SQL, and JavaScript.

Learned C# and SQL to add a user preferences table to the database so that dates would be formatted by using the server-side user preferences and HTML5 local storage.

PROJECTS

Sheltr— *Android app project for an Objects and Design class*

Collaborated with classmates to make an Android app that enables people to easily find homeless shelters using filters for shelter restrictions. Used the MVC design pattern and the app uses Google Firebase for authentication and database storage of shelter information. It shows the nearest shelter using the Google Maps API and has a Spanish translation.

Powershell — *Implementing standard deviation on Measure-Object*

Used C# and Powershell script to contribute to the Powershell open source project. Implemented standard deviation calculation on the Measure-Object module using the iterative method/online algorithm of calculating variance. Added corresponding test cases using the Pester framework to ensure that it was running to specification.

SKILLS

Java (Advanced)

Android (Advanced)

Kotlin (Intermediate)

Linux (Intermediate)

Git/GitHub (Intermediate)

C#/ASP.NET (Intermediate)

SQL (Intermediate)

Python (Intermediate)

Web Development (Beginner)

AWARDS/HONORS

Top Finisher, Moody's Analytics CodeSprint 2018
- One of the top 50 US participants in an online programming competition

HackerRank 93rd percentile 2019
- Top 93rd percentile in an online programming competition platform

AIME Qualifier, 2016 & 2017

National Science Olympiad Forensics, 6th place, 2016

LANGUAGES

English (Native)

Gujarati (Conversational)

American Sign Language (Beginner)