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 and Angular JS.

Modernized python files to transition whole project from using Python 2.7 to 3.7.

Updated and fixed all failing unit tests to run in memory and in parallel.

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

JANUARY 2019 - MAY 2019

Created and worked with Plus1 Labs on the Android dating app Ship using Kotlin and XML. Added the swiper screen, profile tab, crew pages, chat components, and databases with Room and SQL.

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, 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.

Added user preferences and formatted dates in multiple formats using server-side user preferences and HTML5 local storage.

Practiced Agile project management using Jira.

PROJECTS

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

Worked in a group to make an Android app that allows people to more easily find homeless shelters using filters for shelter restrictions. We 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 also 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. Also added test cases using the Pester framework to ensure that it was running properly.

SKILLS

Java (Advanced)

Android (Advanced)

Kotlin (Intermediate)

Linux (Intermediate)

Git/GitHub (Intermediate)

C#/ASP.NET (Intermediate)

SQL (Beginner)

Web Development (Beginner)

Python (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)