

Amaan Marfatia

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EDUCATION

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

AUG 2017 - PRESENT (Expected Graduation: APR 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, Design of Operating Systems, Computer Networking I

EXPERIENCE

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

JAN 2019 - MAY 2019, AUG 2019 - PRESENT

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.

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

JUN 2019 - AUG 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.

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

JUN 2018 - AUG 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.

Firefox Preview — *Mozilla's Open Source Android Browser*

Worked on Mozilla's open source Fenix project. Used Kotlin to automatically set the user's keyboard to private mode when it is used in private browsing so that typing history isn't saved. Also used XML to make layout hierarchies of several UI elements such as the Quick Action Bar, Share Sheet, and Tabs Header shallower so that the app can have better performance.

SKILLS

Java
Android Development
Kotlin
Linux
Git/GitHub
C
C#/ASP.NET
SQL
Python
Jenkins
XML
Web Development
JavaScript
Firebase
JIRA
Confluence

AWARDS/HONORS

LeetCode 97th percentile, 2019
- Top 97th percentile in an online programming competition platform

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

LANGUAGES

English (Native)
Gujarati (Conversational)
American Sign Language (Beginner)