

# 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, Computer Organization and Programming, Design and Analysis of Algorithms

## EXPERIENCE

**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 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.

**Kingston Grocery**, Kingston, GA — *Part-time Employee*

MAY 2015 - AUGUST 2017

Fixed and upgraded computers and network, managed cash register, updated inventory in the system, restocked shelves, and cleaned store.

## LEADERSHIP

**Science National Honor Society**, Brookwood H.S. — *Co-President*

AUGUST 2016 - MAY 2017

Collaborated with a team of officers to plan monthly meetings, club activities, a field trip to the bodies exhibit, and volunteering opportunities for SNHS members.

## 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)

Linux (Intermediate)

Git/GitHub (Intermediate)

C#/ASP.NET (Intermediate)

Android (Intermediate)

SQL (Beginner)

Web Development (Beginner)

C (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 93<sup>rd</sup> percentile 2018**

- Top 93<sup>rd</sup> percentile in an online programming competition platform

**AIME Qualifier, 2016 & 2017**

**National AP Scholar, 2017**

- Received 5's on 12 AP exams

**Georgia Tech AP Computer Science Bowl, 1st Place, 2015**

- AP Computer Science like test with 40 questions

**National Science Olympiad Forensics, 6th place, 2016**

## LANGUAGES

English (Native)

Gujarati (Conversational)

Spanish (Beginner)