

# 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, Web Dev Club

**Brookwood High School**, Snellville, GA

— *STEAM High School Diploma*

AUGUST 2013 - MAY 2017

Graduated with a 4.0 GPA as an AP Scholar

Dual Enrolled with Georgia Institute of Technology from 2015-2017

## LEADERSHIP

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

AUGUST 2016 - MAY 2017

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

**Mu Alpha Theta**, Brookwood H.S. — *Officer*

AUGUST 2015 - MAY 2017

Organized monthly meetings and created meeting activities for 70+ members  
Tutored high schoolers on a weekly basis.

## EXPERIENCE

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

MAY 2015 - AUGUST 2017

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

## PROJECTS

**Halite Bot** — *AI Programming Competition for Halite I*

Used Java to make a virtual bot that makes decisions on how to move pieces on a grid based on different values attributed to each spot on the grid. These bots would fight each other to see who won the matches.

**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 (Intermediate)

Linux (Intermediate)

Git/GitHub (Intermediate)

Android (Beginner)

Web Development (Beginner)

Python (Beginner)

## AWARDS/HONORS

**AIME Qualifier, 2016 & 2017**

**National AP Scholar, 2017**

-Received 5's on 12 AP exams

**Lockheed Martin CodeQuest, 2nd place Advanced Division, 2015** -Algorithmic coding competition

**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)

Gujrati (Conversational)

Spanish (Beginner)