**Rohan Varshney**

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**Education**

**Georgia Institute of Technology,** Atlanta, GA

*August 2017 - May 2020 (Expected)*

* Candidate for Bachelor of Science in Computer Science
* GPA 3.83/4.0, Honors Program

**Stanton College Preparatory School,** Jacksonville, FL *May 2017*

* GPA 4.91/5.0 (Top 10), SAT 2300, ACT 35, 17 AP Exams
* National Merit Finalist, National AP Scholar, International Baccalaureate

**Experience**

**Raytheon, Software Engineering Internship**, Indianapolis, IN

*Summer 2018*

**FIRST Robotics, Shop Technician & Invento**, Jacksonville, FL *August 2013 – April 2017*

* Gained proficiency with workshop tools to provide the mechanical input behind constructing an autonomous robot while also creating 3D models of our robot using SolidWorks for testing purposes

**Skills**

**Programming:** Java, C#, C++, HTML & CSS, Python, JavaScript, Basic, Lua

**Concepts:** Object-oriented programming, Data structures, web design, CAD

**Organizations:**  NMSC Scholar Community, CSX Corporate Citizenship, Xtern

**Clubs:** GT Ramblin’ Raas

**Research**

**­­­­­­­­­­­Solar Decathlon - Vertically Integrated Projects**, Atlanta, GA  *August 2017 – December 2017*

* A multidisciplinary design project among collegiate teams to build solar-powered houses, incorporating IoT with electrical engineering, design, and materials science

**­­­­­­­­­­­Automated Algorithms Design - Vertically Integrated Projects**, Atlanta, GA  *January 2018 – April 2018*

* Designing machine learning, genetic, & hybrid algorithms to improve algorithm and optimization methods

**Projects**

**Georgia Tech RoboJackets, RoboCup**, Atlanta, GA

*August 2017 – April 2018*

* Used Python to program a team of six mini autonomous robots to compete in soccer through collaboration between the mechanical, software, and electrical sub-teams

**Food Compass**, **Indy Civic Hackathon**, Indianapolis, IN *June 2018*

* Developed a static web application utilizing JavaScript and Java to provide a possible resource-based solution to the food insecurity problem that afflicts Marion County

**Leadership**

**Astronaut Challenge, Team Founder**, Cape Canaveral, FL

*September 2015 – February 2017*

* Qualified two years to compete at the John F. Kennedy Space Center, only one of 15 teams in Florida

**Marketing and Communications Committee**, Atlanta, GA *August 2017 – December 2017*

* Responsible for the brand management, graphic design, and marketing techniques for the Georgia Tech Student Foundation

**Courses**

**Machine Learning A-Z: Hands-On Python & R in Data Science**, Udemy

*Completed August 2018*

**Machine Learning with Python (Skill Track)**, DataCamp *Completed August 2018*

**C# Fundamentals with Visual Studio 2015**, Pluralsight *Completed June 2018*