

# Rohan Varshney

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## Education

- Georgia Institute of Technology, Atlanta, GA** *August 2017 - May 2020 (Expected)*
- BS in Computer Science (Modeling/Simulation & Intelligence Threads)
  - GPA 3.83/4.0, Honors Program
  - Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Linear Algebra, Differential Equations, Discrete Math, Programming with MATLAB
- 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

## Work Experience

- Raytheon, Software Engineering Internship, Indianapolis, IN** *Summer 2018*
- Created a C# tool that allowed User Stories from the Team Foundation Server to be exported accordingly to a PowerPoint file, improving Sprint planning and evaluation efficiency times facility-wide
  - Part of the SKRI (Silent Knight Radar Integration) team of the V-22 Osprey aircraft project, aiding with multiple applets and supporting tasks that expedited each Sprint implementation
- 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 it using SolidWorks for testing purposes

## 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*
- Designed 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 resource-oriented 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

## Skills

- Programming:** **Fluent:** Java, Python, C#; **Proficient:** C++, JavaScript, Basic, Lua, R; **Web:** HTML, CSS
- MOOCs:** Machine Learning w/ Python (DataCamp), Machine Learning A-Z (Udemy), How Git Works (Pluralsight), C# Fundamentals (Pluralsight)
- Organizations:** NMSC Scholar Community, CSX Corporate Citizenship, Xtern (TechPoint), GT Ramblin' Raas, Data Science @ GT
- Software:** GIT, Jupyter Notebooks, SolidWorks, IntelliJ, GarageBand, Visual Studio
- Interests:** Problem-Solving, Public Speaking, Music Production, Dance, Stand-Up Comedy