**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, Computing in MATLAB, Objects & Design

**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# application that allowed User Stories from the Team Foundation Server to be exported accordingly to PowerPoint, improving Sprint planning and Standup evaluation times facility-wide
* Part of the SKRI (Silent Knight Radar Integration) team of the V-22 Osprey aircraft project, aiding with multiple tools and supporting tasks (stream specification) that expedited each Sprint implementation

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

* Provided the mechanical input behind constructing an autonomous robot while simultaneously creating 3D models of its components using SolidWorks, providing 500+ hours
* Spearheaded a focus on using CAD for testing purposes while creating a library of template parts that can easily be modified and extended, effectively cutting down design manhours for future projects

**Research**

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

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

**­­­­­­­­­­­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 and computer & materials science

**Projects**

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

*August 2017 – April 2018*

* Sustained a team of 6 mini autonomous robots with C++ to compete in SSL (Small Size League) soccer

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

* Led the backend efforts for documentation & database creation using Java & JS for a web application that provides a resource-oriented solution to the food insecurity problem that afflicts Marion County

**Leadership**

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

*September 2015 – March 2017*

* Qualified two consecutive years to compete at the JFK Space Center, only 15 teams in Florida (Placed 1st)
* Presentation, Engineering, and multiple Simulation Challenges judged by a panel of NASA officials

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

* Responsible for GT Student Foundation’s brand management, graphic design, and marketing techniques

**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# & C++ Fundamentals (Pluralsight)

**Organizations:**  NMSC Scholar Community, CSX Corporate Citizenship, Xtern (TechPoint), GT Ramblin’ Raas, Data Science @ GT

**Software:** GIT, Jupyter Notebooks, IntelliJ, GarageBand, Visual Studio

**Interests:** Problem-Solving, Public Speaking, Music Production & Mixing, Dance, Stand-Up Comedy