

Rohan Varshney

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Education

Georgia Institute of Technology , Atlanta, GA	<i>August 2017 - May 2020</i>
<ul style="list-style-type: none">B.S. in Computer Science (Mod/Sim & Intelligence Concentrations) GPA: 3.83<u>Relevant Coursework</u>: Data Structures & Algorithms, Object-Oriented Programming, Linear Algebra, Differential Equations, Discrete Math, Computing in MATLAB, Objects & Design<u>Affiliations</u>: GT Ramblin' Raas, Data Science @ GT	
Stanton College Preparatory School , Jacksonville, FL	<i>August 2013 - May 2017</i>
<ul style="list-style-type: none">International Baccalaureate, National Merit Finalist, National AP ScholarGPA 4.91/5.0, SAT 2300, ACT 35, 17 AP Exams	

Experience

Raytheon, Software Engineering Internship , Indianapolis, IN	<i>Summer 2018</i>
<ul style="list-style-type: none">Leveraged Wireshark and Java for supporting apps and stream specification tools that expedited team Sprint progress for SKRI (Silent Knight Radar Integration), part of the V-22 Osprey aircraft projectCreated a customizable C# application that allowed User Stories from the Team Foundation Server to be exported seamlessly to PowerPoint, improving Sprint planning and Standup evaluation times facility-wide	
FIRST Robotics, Shop Technician & Inventor , Jacksonville, FL	<i>August 2013 - April 2017</i>
<ul style="list-style-type: none">Provided the mechanical input behind constructing an autonomous robot while simultaneously creating 3D models of its components using SolidWorks, contributing 500+ hoursSpearheaded 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 efforts for future projects	

Projects

Automated Algorithms Design, Vertically Integrated Projects , Atlanta, GA	<i>January 2018 - April 2018</i>
<ul style="list-style-type: none">Utilized EMAD genetic programming along with Pareto optimization to create hybrid algorithms that improved existing project solutions (f.e. a model that uses news headlines to predict the effect on stock prices)	
Solar Decathlon, Vertically Integrated Projects , Atlanta, GA	<i>August 2017 - December 2017</i>
<ul style="list-style-type: none">Collaborated in a multidisciplinary design project to assist the company Hannah Solar in producing a consumer-friendly and cost-effective solar integration model that both our client and their patrons would use	
Georgia Tech RoboJackets, RoboCup , Atlanta, GA	<i>August 2017 - April 2018</i>
<ul style="list-style-type: none">Constructed a team of 6 mini autonomous robots with C++ to compete in SSL (Small Size League) soccerDebugged existing play strategy algorithms to be more robust and adaptive to a dynamic environment	
Food Compass, Indy Civic Hackathon , Indianapolis, IN	<i>June 2018</i>
<ul style="list-style-type: none">Led the backend efforts for documentation & database creation using Java & JS for a web application that delivered a resource-oriented solution to the food insecurity problem that afflicts Marion County	

Leadership

Astronaut Challenge, Team Co-Founder , Cape Canaveral, FL	<i>September 2015 - March 2017</i>
<ul style="list-style-type: none">Directed the team's preparation efforts for the NASA-sponsored aerospace competition (Placed 1st overall)Managed team charter and funding while in charge of maintaining the team's studying & training timeline	
Marketing and Communications Committee , Atlanta, GA	<i>August 2017 - December 2017</i>
<ul style="list-style-type: none">Responsible for GT Student Foundation's brand management, graphic design, and social marketing techniques	

Skills

Programming:	Java, Python, C#, C++, JavaScript, MATLAB, HTML/CSS
Software:	GIT, Jupyter Notebooks, IntelliJ, Visual Studio, Android Studio, Eclipse, Bootstrap, GarageBand
MOOCs:	Machine Learning A-Z (Udemy), How GIT Works (Pluralsight), C# & C++ Fundamentals (Pluralsight)
Interests:	Problem-Solving, Public Speaking, Music Production & Mixing, Astrobiology, Indian folk dance