

# Rohan Varshney

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## Education

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- Georgia Institute of Technology, Atlanta, GA** *Graduation December 2020*
- B.S. in Computer Science (Modeling/Simulation & Intelligence Concentrations) | GPA: 3.79
  - Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Linear Algebra, Differential Equations, Discrete Math, Computing in MATLAB, Objects & Design
  - Affiliations: A-Town Showdown (Marketing Chair), GT Ramblin' Raas (Digital Production Chair)
- Stanton College Preparatory School, Jacksonville, FL** *Graduation May 2017*
- International Baccalaureate, National Merit Finalist, National AP Scholar, SAT 2300, ACT 35

## Experience

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- Amazon.com, Software Development Engineering Intern, Bellevue, WA** *May 2019 - August 2019*
- Member of the Amazon Enterprise Access (AEA) mobile team of the AWS Corporate Systems Organization
- Manhattan Associates, Software Engineering R&D Co-Op, Atlanta, GA** *January 2019 - May 2019*
- Directed the creation of an organizational framework for Call Center UI extensibility through samples created using Angular in a StackBlitz development environment, enabling easy integration into test environments
  - Improved the response behavior of an ACE Editor for Cucumber Tests with Java by automating the current structure that required progress of a Gherkin script to be manually checked, eliminating feedback blockage
- Raytheon, Software Engineering Intern, Indianapolis, IN** *May 2018 - August 2018*
- Leveraged WireShark and Java for supporting apps and stream specification tools that expedited team Spring progress for SKRI (Silent Knight Radar Integration), part of the V-22 Osprey aircraft project
  - Created a customizable C# application that allowed User Stories from the Team Foundation Server to be exported seamlessly to PowerPoint, improving Sprint planning and Scrum standup evaluation times facility-wide
- 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, contributing 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 efforts for future projects

## Projects & Teams

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- Automated Algorithms Design, Vertically Integrated Projects, Atlanta, GA** *January 2018 - April 2018*
- 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** *August 2017 - December 2017*
- 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** *August 2017 - April 2018*
- Constructed a team of 6 mini autonomous robots with C++ to compete in SSL (Small Size League) soccer
  - Debugged existing play strategy algorithms to be more robust and adaptive to a dynamic environment
- 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 delivered a resource-oriented solution to the food insecurity problem that afflicts Marion County

## Skills

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- Programming:** Java, C#, Python, JavaScript, MATLAB, HTML/CSS
- Software:** GIT, Jupyter Notebooks, IntelliJ, Visual Studio, Android Studio, Eclipse, Angular, Bootstrap, Logic Pro X, Final Cut Pro, Adobe Creative Cloud (Photoshop, Premiere, AE, Indesign)
- Interests:** Public Speaking, American football, Music and Video Production, Astronomy & Astrobiology, Dancing (Raas, Bollywood, Step)