

# 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, Design & Analysis of Algorithms
- Affiliations: A-Town Showdown (Marketing Chair), GT Ramblin' Raas (Digital Production Chair & DJ)

**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, Seattle, WA** **May 2019 - August 2019**

- Created multiple new features (autocomplete, bookmark migration for favorites) within the Amazon Enterprise Access (AEA) Android app for AWS that improved usability and robustness for the 5000+ (and constantly growing) unique monthly Amazon employees in accessing corporate services from their mobile devices
- Refactored numerous modules for improved code reusability & readability across the project's UI components
- Leveraged multiple AWS services (API Gateway, Lambda, DynamoDB, SNS, S3) to integrate dynamic service catalog retrieval, substantially reducing the onboarding duration for service access from 1 month to real-time by removing dependencies across multiple project packages and automating the process

**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 configuration 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 Sprint progress for SKRI (Silent Knight Radar Integration), part of the V-22 Osprey aircraft project
- Produced 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

## 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)

**Georgia Tech RoboJackets, RoboCup, Atlanta, GA** **August 2017 - April 2018**

- Constructed a team of 6 mini autonomous robots 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/Kotlin, C, C#, Python, R, JavaScript/Typescript, MATLAB, HTML & CSS

**Software:** Visual Studio, Android Studio, IntelliJ & PyCharm, Eclipse, Jupyter Notebooks, PyCharm, Angular, Git, AWS, Bootstrap

**Interests:** Public Speaking, American football, Music & Video Production, Astronomy & Astrobiology, Dancing (Raas, Bhangra, Bollywood, Step)