

Rohan Varshney

rohanvarshney@gatech.edu | (904) 610 - 0910 | rohanvarshney.co | github.com/rohanvarshney

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 & 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, service catalog retrieval) within the growing Amazon Enterprise Access (AEA) Android app for AWS that improved usability and robustness for the 5000+ unique monthly users in accessing corporate applications & tools from mobile devices
 - Refactored multiple modules for improved code reusability & readability across the project's UI components
 - Leveraged AWS services (Lambda, DynamoDB, AppSync) to integrate user data using uuid profiles and retrieve catalog information synchronously through automated authorization through Midway & subscriptions using SNS
- 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

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 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/Kotlin, C#, Python, JavaScript/Typescript, MATLAB, HTML/CSS
- Software:** GIT, IntelliJ, Visual Studio, Android Studio, Eclipse, Angular, Bootstrap, Jupyter Notebooks, 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)