Rohan Varshney

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Education

Georgia Institute of Technology, Atlanta, GA   *Graduation May 2021*
- B.S. in Computer Science (Modeling/Simulation & Intelligence Concentrations)
- <u>Relevant Coursework</u>: Data Structures & Algorithms, Object-Oriented Programming, Machine Learning, Design & Analysis of Algorithms, Game AI, Computer Simulation, Applied Combinatorics, Differential Equations, Discrete Math, Linear Algebra

Experience

Lyft, Software Engineer, San Francisco, CA   **July 2021 – Present**
- New Hire Software Engineer on the (Data) Streaming Platform Team as part of the Rideshare organization

Microsoft, Software Engineering Intern, Redmond, WA (Virtual)   **May 2020 – August 2020**
- Extended an internal chatbot that resides in Microsoft Teams with 8 new deployment-related features via an architecture that allowed the XDeployment team greater bot utilization, cutting down Time to Investigate & Response for on-call when it came to answering FAQ regarding Azure Storage deployments & tenant-based information by up to 4-6 hours
- Achieved end to end integration for all coded features using the backend command client of KQL functions in the XStore connection of Kusto, appropriate response objects coded in C#, and the frontend dialogs that handled user input & parameter validation through extensive communication & assistance from a team in Shanghai (EST+12:00)

Lyft, Software Engineering Intern, San Francisco, CA   **January 2020 – May 2020**
- Invented 10 prototype dashboards using Mode Analytics by amalgamating Presto SQL queries, Python Notebooks, & HTML/CSS in order to generate insights about the performance of various Basemap quality metrics, thereby increasing confidence in the adoption of new updated maps as part of the Scorecard project
- Engineered novel heatmaps using (geo)pandas, road network segments as well-known text (wkt) geometries, & Geohash weights through DataFrames to provide spatial visualization of the quality metrics on a region-level, allowing for immediate validation of metric progress & pertinent map changes made in OpenStreetMap (OSM)
- Enhanced & refactored the existing codebase to handle data saving of the map quality metrics using multiple variable partitions to S3 & Apache Hive for any queryable purposes across the organization

Amazon.com, Software Development Engineering Intern, Seattle, WA   **May 2019 – August 2019**
- Created multiple new features (autocomplete, bookmark migration for favorites) for the Amazon Enterprise Access (AEA) Android app for AWS that improved usability & robustness for the 5500+ (and exponentially growing) unique monthly Amazon employees in accessing corporate services from their mobile devices
- Integrated dynamic service catalog retrieval to substantially reduce the onboarding duration for service access from 1 month to near real-time by levying multiple AWS services (API Gateway, Lambda, DynamoDB, SNS, S3) to remove dependencies across multiple project packages & automate 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 IDE, enabling easy integration of features & extensions into test client environments
- Improved the response behavior of an ACE Editor for Cucumber Tests with Java to real-time 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 & Java for supporting apps & stream specification tools that expedited team Sprint progress for SKRI (Silent Knight Radar Integration) as part of the V-22 Osprey aircraft project
- Designed a customizable C# application that allowed User Stories from Microsoft Team Foundation Server to be exported seamlessly to PowerPoint, improving Sprint planning & Scrum standup evaluation times facility-wide by 25%

Skills

Languages:	Java/Kotlin, C#, Python, SQL, JavaScript/Typescript, HTML & CSS, MATLAB, C
Technologies:	Visual Studio, Android Studio, Jupyter/Python Notebooks, Angular, Amazon Web Services, Docker, NumPy & (Geo)Pandas, Postman, Node.js, StackBlitz, Wireshark, LaTeX