VISHWASHAH

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Education

Georgia Institute of Technology   **Atlanta, GA**
- B.S. in Computer Science (Intelligence and Information Internetworks), Honors Program   *Aug 2016 – Dec 2019*
- GPA: 3.68
- <u>Affiliations</u>: Alpha Kappa Psi (Business Fraternity), Ramblin' Raas (Nationally Competitive Dance Team)
- <u>Relevant Coursework</u>: Machine Learning, Robotics and Perception, Algorithms, Intro to Artificial Intelligence, Intro to Computer Systems and Networks, Computer Organization and Programming, Probability and Statistics, Discrete Math, Linear Algebra, Multivariable Calculus, Data Structures/Algorithms

Experience

Lyft   **Seattle, WA**
Software Engineering Intern | Core Datastores   *Jan 2019 – April 2019 **(Current)***
- Reduced replication lag between AWS datastores for clients by designing and building a service to reroute failed records using Apache Flink and Kafka, considering fail cases, throughput constraints, and operational cost.

Redfin   **Seattle, WA**
Software Engineering Intern | Owner Engagement   *May 2018 – Aug 2018*
- Improved the fluidity of the claim home experience by implementing Google One-Tap login for my team's primary endpoint, lifting registrations (44%), subscriptions (25%), and sell contacts (18%)
- Worked across several teams to investigate Redfin Home Report subscription activity to optimize open rate, developing clustering/classification models and launching two experiments to test open rate improvements
- Worked on several projects gaining exposure to product decisions, the React frontend, and ML approaches

Georgia Institute of Technology   **Atlanta, GA**
Tutor | College of Computing   *Jan 2018 – Dec 2018*
- Tutored graduate students without previous programming experience in Python and programming basics
- Tutored undergraduate students in Intro to Object Oriented Programming and Discrete Math

Georgia Institute of Technology   **Atlanta, GA**
Undergraduate Researcher | Entertainment Intelligence Lab   *Aug 2017 - Present*
- Designed an AI approach based on the published Hoover ANN model to build a robust Mario game level generator
- Defined multiple "invention problems" to extend the concept of creative problem solving and designed agents to demonstrate an artificially intelligent parallel to human creativity; a paper entitled "Creative Invention Benchmark" was accepted to ICCC 2018

Square   **San Francisco, CA**
Software Engineering Intern | Platform Engineering   *May 2017 - Aug 2017*
- Created infrastructure to automate asset tracking in a CMDB using a Rails app by reading data through Kafka feeds from Kolide and Facebook's osquery, consulting several teams to discover and evaluate their needs
- Gained exposure to shell scripting, backend services, Linux architecture, and systems infrastructure

Projects

Nix | CREATE-X Capstone Design   *Aug 2018 - Present*
- Developed a nicotine cessation algorithm based on a daily sliding window and existing smoking cessation plans
- Evaluated potential design decisions while considering future strategies to improve our product
- Aided in process development and organization for a team of 7

Smart City Infrastructure | Research   *Jan 2018 – May 2018*
- Contributed to analyzing work zone traffic patterns using image classifiers and computer vision functions to retrieve valuable vehicle attributes from traffic camera footage, computing
- Analyzed collected data to determine the change in factors like speed, offset, flow, and density

Charles | HackGT   *Oct 2017*
- Conducted sentiment analysis on Twitter and Reddit on a per topic basis using Python libraries
- Processed and visualized resulting data using D3.js, and deployed the application using Flask

Skills

Programming: <u>Fluent</u>: Java, Python, SQL **|** <u>Proficient</u>: Ruby, C++, C#, Javascript, MongoDB
Languages: Spanish (intermediate), Hindi (fluent), Gujarati (native), English (native)