VISHWASHAH

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Education

Georgia Institute of Technology   **Atlanta, GA**
- B.S. in Computer Science (Intelligence and Information Internetworks) | **GPA**: 3.68   *Aug 2016 – Dec 2019*
- <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, Computer Vision, Ethics, Intro to Computer Systems and Networks, Computer Organization and Programming, Probability and Statistics, Discrete Math, Linear Algebra, Multivariable Calculus, Data Structures/Algorithms

Experience

Palantir   **London, UK**
Forward Deployed Software Engineering Intern | Client-Facing, Timeseries   *May 2019 – Aug 2019*
- Redesigned timeseries pipeline architecture to better handle the increasing scale of data (TB to PB), coordinating with teams across Palantir and the client to ensure data usage workflows and constraints were considered
- Developed a suite of tooling to manage dynamic pipeline creation, ensured a simple maintenance story despite an increased number of parallel pipelines, and contributed to fleshing out similar use-cases across the company

Lyft   **Seattle, WA**
Software Engineering Intern | Core Datastores   *Jan 2019 – Apr 2019*
- 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
- Improved streaming pipelines by introducing improved modularity and increasing code maintainability, allowing for clients to more quickly access data in a custom desired format

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

Georgia Institute of Technology   **Atlanta, GA**
Tutor | College of Computing   *Jan 2018 – Dec 2018*
- Tutored students in Intro to Object Oriented Programming, Discrete Math, Data Structures, and Python basics

Georgia Institute of Technology   **Atlanta, GA**
Undergraduate Researcher | Entertainment Intelligence Lab   *Aug 2017 – Dec 2018*
- 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 – Apr 2019*
- 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*
- Analyzed work zone traffic patterns using image classifiers and computer vision functions to retrieve valuable vehicle attributes from traffic camera footage, computing change in factors like speed, offset, flow, and density

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)