

# 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 – May 2020
- Affiliations: Alpha Kappa Psi (Business Fraternity), Ramblin' Raas (Nationally Competitive Dance Team)
- Relevant Coursework: 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

### 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 - Present

- 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 ICCV 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

### Smart City Infrastructure | Research

Jan 2017 - Present

- 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

### RAS Madness

Aug 2017

- Conceptualized and developed a web app to serve as a prediction platform for national dance competitions
- Generated a Ruby on Rails JSON API backend and implemented a Bootstrapped Javascript frontend

### StreetLens | Holohack

Dec 2016

- Constructed a HoloLens app enabling street view previews of Google Maps directions
- Conceived an algorithm to retrieve data at a consistent time interval using the Google Maps and Street View APIs

## Skills

**Programming:** Fluent: Java, Ruby, Python, SQL | Proficient: C++, C#, Javascript, MongoDB

**Languages:** Spanish (intermediate), Hindi (fluent), Gujarati (native), English (native)

**Software:** Android Studio, IntelliJ, Eclipse, Adobe Photoshop, Adobe Illustrator, Adobe InDesign

**Communication:** Presentation, Public Speaking, Research Paper, Communication Design