

# **Shashank Singh** [shashank-singh.com](http://shashank-singh.com)

+1 916 934 8131 | sshashank124@gmail.com | 332388 Georgia Tech Station, Atlanta | F-1 Student

Interested in the field of Software Development employing my experience in working with supervised machine learning (pattern recognition) applications and microcontrollers. Willing to relocate.

## **Education**

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Georgia Institute of Technology (Aug '14 - Dec '17)

B.S. Computer Engineering with Computer Science Minor (GPA: 3.82)

Relevant Coursework: Machine Learning, Robotics and Perception, Intro to AI, Internetwork Security, Data Structures and Algorithms, Game AI, Advanced Computer Architecture, Advanced Programming Techniques

## **Skills & Abilities**

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Programming - Java (Android, JavaFX, Junit, Mockito), Python (Tensorflow, Numpy, Scikit-learn, OpenCV, App Engine), C/C++ (TCP/IP, Bluetooth), Linux

## **Work Experience**

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**Android Development Intern - R&D - VMware AirWatch**

- Improved consistency, expandability, and maintainability of Application Control across various OEMs
- Created working proof-of-concept prototype for the support of the Agent app on new hardware

**Teaching Assistant** for OOP and Data Structures and Algorithms (CS 1332)

- Taught recitations, held office hours, and wrote and graded homework
- Received average student feedback rating of 4.4 / 5

## **Projects**

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**EnerCage (Research Project, OpenCV, Tensorflow, Keras, Java, C++)**

- Implemented system for wireless behavior classification of a lab rat in a cage environment into 9 different categories
- Implemented a cross-platform GUI for a research project with capabilities for asynchronous networking with a Raspberry Pi and a Kinect sensor

**HyTech Racing (Arduino, Raspberry Pi, Android App, CANBUS)**

- Programmed GaTech's electric racecar's pedal and brake control using Arduino and CANBUS protocol
- Implemented a dash mounted Android App display with live feedback on the racecar's diagnostics
- Participated in design competition against 40 other Universities at Formula Hybrid 2016

**Cube Companion (Android App)**

- Created and published an elegant and resourceful Rubik's Cube app for Android
- Received very positive feedback with a rating of 4.66/5 from 131 reviews and over 5,600 downloads

## **Awards**

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- Received Warren Batts VIP Innovation Award for "significant contribution" to the EnerCage research
- Received Book Award for Mathematics (given to 1 student in all the High School as chosen by a committee of HS Math Teachers)