Shashank Singh *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

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

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

Work Experience

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

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
- 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)