

RAGHAV RAJ MITTAL

raj.raghav@gmail.com | 423-227-9544 | linkedin.com/in/raghavrajmittal | github.com/raghavrajmittal

EDUCATION

Georgia Institute of Technology, Atlanta, Georgia Master of Science in Computer Science, Concentration in Machine Learning	<i>Expected Graduation: May 2020</i> GPA: 4.0/4.0
Georgia Institute of Technology, Atlanta, Georgia Bachelor of Science in Computer, Concentrations in Artificial Intelligence & Information-Inter networks	<i>Aug 2015 - Dec 2018</i> GPA: 3.8/4.0
Universitat Politècnica de Catalunya, Barcelona, Spain Georgia Tech Study Abroad Program	<i>May 2017 – Jul 2017</i>

EXPERIENCE

Georgia Institute of Technology <i>Graduate Researcher – Computational Perception Laboratory</i>	Atlanta, Georgia <i>Jan 2019 – Present</i>
<ul style="list-style-type: none">Designing supervised learning models to improve an RFID-guided multi-camera surveillance and tracking system to help animal behavior researchers infer a target animal's social group structure and identify specific social behavior	
<i>Teaching Assistant – Robotics and Perception</i>	<i>Aug 2018 – Present</i>
<ul style="list-style-type: none">Assisting 200+ students with the course and content, including topics such as image processing, supervised learning, object recognition, pose estimation, particle filters, kalman filters, autonomous path planning, and control systems	
<i>Tutor – College of Computing</i>	<i>Sep 2017 – May 2018</i>
<ul style="list-style-type: none">Conducted weekly 1-to-1 tutoring sessions on Data Structures, Algorithms, Systems, Networks, Python, and C	
Goldman Sachs <i>Technology Summer Analyst</i>	Dallas, Texas <i>Jun 2018 – Aug 2018</i>
<ul style="list-style-type: none">Worked in an Agile environment to create a persistence service that allows agents to store customer information securelyUsed the Java Spring framework to create RESTful service APIs and MongoDB to store the encrypted notesImplemented React-Redux to create the front-end components and make Ajax calls to the servicePlaced 1st at the 'Americas Intern Engineering Challenge' held amongst all GS interns in the North America region	
India Club at Georgia Tech <i>Full Stack developer</i>	Atlanta, Georgia <i>Jan 2017 – May 2018</i>
<ul style="list-style-type: none">Managed the technological infrastructure of the largest cultural organization on campus, including the website and registration systems for events with 1000+ attendeesImplemented PostgreSQL and Flask in the back-end, with JavaScript in the front-end	
ZenParent <i>Software Summer Intern</i>	Bangalore, India <i>May 2016 – Jun 2016</i>
<ul style="list-style-type: none">Analyzed content performance and decay rate in the acquisition of new users for each piece of contentUsed Python and Google Analytics as part of a flagship project to make marketing at the company more data driven	

PROJECTS

ExpressMusic Ponce City Market Code-athlon <i>Technology: Python, Flask, OpenCV, JavaScript, YouTube APIs</i>	<i>Sep 2018</i>
<ul style="list-style-type: none">Used computer vision to identify people in real time, detect their facial expressions, and play songs matching their mood	
Follow-Focus Best Hardware Hack @ Georgia Tech GAMO Hackathon <i>Technology: Python, OpenCV, Arduino, GoPro, Speech-to-Text APIs</i>	<i>Mar 2018</i>
<ul style="list-style-type: none">Used OpenCV body detection and Grove Arduino modules to rotate a GoPro camera and follow the user's movement	
Obstacle-Avoidance Car Georgia Tech BuildGT Hackathon <i>Technology: Arduino, RaspberryPi</i>	<i>Mar 2018</i>
<ul style="list-style-type: none">3D printed and wood-crafted a battery-powered car that uses an ultra-sonic sensor to avoid obstacles	

SKILLS

Technical:	Python, Java, C, SQL, React, Redux, NoSQL, TensorFlow, PyTorch
Coursework:	Deep Learning, Artificial Intelligence, Machine Learning, Robotics and Perception, Natural Language Processing, Information Security, Database Design, UI Design, Computer Architecture, Networking, Data Structures, Algorithms, Systems and Networks, Complexity, Automata, Statistics, Game Theory, STS, Ethics
Interests:	Soccer, Racquetball, Traveling, Videography