

Joshua Drubin

(240) 515-1567 | joshua@joshuadrubin.com | joshuadrubin.com

EDUCATION	<i>Bachelor of Science</i> , Computer Engineering University of Maryland, College Park, graduation expected May 2016 Concentration: Computer Engineering GPA: 3.2
EXPERIENCE	<i>Independent Research for Credit</i> January 2016 - Present University of Maryland, College Park <ul style="list-style-type: none">Developing working methods for using audio samples as a means of object classification for further use with the GreenCan (below), involving the application of in depth signal processing and machine learning concepts. <i>Software Engineering Intern at ZocDoc</i> Summer 2015 New York, New York <ul style="list-style-type: none">Developed full stack application allowing developers to independently modify and publish microservices in production. <i>Paid Undergraduate Researcher</i> December 2012 - September 2013 National Geographic Society, D.C. - University of Maryland, College Park <ul style="list-style-type: none">Developed hardware and software for a prototype animal-borne wireless network and video camera called the Crittercam.Independently wrote 3000 lines of code that was later used in field deployments.News release: http://www.eng.umd.edu/html/news/news_story.php?id=6145.
EXTRA-CURRICULAR ACTIVITIES	<i>Robotics</i> Spring 2015 <ul style="list-style-type: none">Developed software and design for object acquisition system for the NASA rover competition RASC-AL ROBO-OPS. <i>Hackathons</i> 2013 - 2015 <ul style="list-style-type: none">First place winner of MHacks, a 1000+ person undergraduate hackathon for building the GreenCan. See video demonstration and online news article at http://phys.org/news/2013-09-smart-recycle-bin-record-breaking-mhacks.html.Won Best Computer Vision Hack at HackTech (CalTech's hackathon).Attended HackMIT, Bitcamp, Greylock invite-only Hackfest, and Windward Code Wars.
LANGUAGES / FRAMEWORKS	Java, C, C#, Python, Verilog, Arduino-C, Ruby, MATLAB, Android, HTML/CSS, Javascript, Linux command line, Git, ROS
RELEVANT COURSEWORK	<i>Computer Science</i> : Data Structures, Operating Systems, Software Engineering <i>Electrical Engineering</i> : Computer Organization, Digital Computer Design, Computer Laboratory