

Joshua Drubin

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EDUCATION	<i>Bachelor of Science</i> , Computer Engineering University of Maryland, College Park, expected May 2016 Concentration: Computer Engineering GPA: 3.2
LANGUAGES / FRAMEWORKS	Java, C, C#, Python, Verilog, Arduino-C, Ruby, MATLAB, Android, HTML/CSS, Javascript, Linux command line, Git, ROS
EXPERIENCE	<div><div><i>Independent Research for Credit</i> University of Maryland, College Park</div><div>January 2016 - present</div><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 (see below), involving the application of in depth signal processing and machine learning concepts.</div> <div><div><i>Software Engineering Intern at ZocDoc</i> New York, New York</div><div>Summer 2015</div><ul style="list-style-type: none">Developed full stack application allowing developers to independently modify and publish microservices in production.</div> <div><div><i>Paid Undergraduate Researcher</i> National Geographic Society, D.C. - University of Maryland, College Park</div><div>December 2012 - September 2013</div><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.</div>
EXTRA- CURRICULAR ACTIVITIES	<div><div><i>Hackathons</i></div><div>2013 - 2014</div><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.</div> <div><div><i>Robotics</i></div><div>Spring 2015</div><ul style="list-style-type: none">Developed software and design for object acquisition system for the NASA rover competition RASC-AL ROBO-OPS.</div>
RELEVANT COURSEWORK	<i>Computer Science</i> : Data Structures, Operating Systems, Software Engineering <i>Electrical Engineering</i> : Computer Organization, Digital Computer Design, Computer Laboratory