

# Joshua R. Drubin

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A very determined and driven self-starter college student with an entrepreneurial spirit and a passion for school and learning. Currently pursuing a Bachelor's Degree in Computer Engineering with a focus in Computer Science

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## EDUCATION

**University of Maryland – College Park**

*Major: Computer Engineering*

*Expected graduation year: 2016*

*GPA 3.21*

[joshuadrubin.com](http://joshuadrubin.com)



## INTERNSHIP

**Undergraduate Researcher for Dr. Nuno Martins and National Geographic Society** December 2012 to September 2013: *Developed hardware and software for a prototype animal-borne wireless network and video camera ("CritterCam"). Independently wrote ~3000 lines of code for use in the "field."*

*See news release at [http://www.isr.umd.edu/news/news\\_story.php?id=5964](http://www.isr.umd.edu/news/news_story.php?id=5964).*

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## SKILLS and ACHIEVEMENTS

**MHacks Hackathon:** First place winner of MHacks, one of the largest undergraduate hackathons.

*See video demonstration and online news article at [http://ece.umd.edu/news/news\\_story.php?id=7670](http://ece.umd.edu/news/news_story.php?id=7670).*

**Other Hackathons:** *Won Best Computer Vision Hack at HackTech (CalTech's hackathon), attended HackMIT, invite-only Greylock Hackfest, invite-only Pennapps X, Bitcamp, Windward Code Wars, Databay*

**Programming Languages:** *Java, Android development, C, basic Linux command line, HTML/CSS experience, MATLAB, Arduino – C / embedded systems*

**Software:** *Unity, Google Sketchup, Eagle CAD, Adobe After Effects, Microsoft Office Suite*

**Robotics:** *Independently designed, programmed, and fabricated bi-pedal walking robot.*

**Arduino Experience:** *Experience with multithreading, overclocking, and writing over 2,000 lines of code for the CritterCam, to create an animal-borne wireless network for field research.*

**3D Printing:** *Completely assembled, tuned, and designed some parts for the Mendelmax 2.0 3D printer*

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## COMMUNITY SERVICE

**Student Service Learning hours:** *Earned 232 hours, exceeding the high school requirement of 75*

**Wider Circle:** *Moved donated furniture for families coming out of poverty*

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## SELF-EMPLOYMENT and EXTRACURRICULAR ACTIVITIES

**Electronics Repair:** *Repaired small electronics such as Xbox's, computers, phones, iPods*

**Magruder High School Soccer Team:** *Starter, and member of state champion team*

**Stand-Up Comedy:** *Periodically perform stand-up comedy at comedy clubs*

**Travel Soccer:** *Played high level of club soccer from age nine to present*

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