

# William P. Woodruff

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**EDUCATION**     *The Bronx High School of Science*, Bronx, NY, graduated June 2014 with honors.  
Focus: Science and Mathematics  
*The University of Maryland*, College Park, MD, class of 2018.  
Major: Computer Science

**SKILLS**     *Languages*: C, C#, Java, Python, Perl, Ruby, shell, HTML/CSS/JS, NASM, and Lisp.  
*Hardware*: ARM boards (Beaglebone, Raspberry Pi), AVR controllers (Arduino).  
*Frameworks and Libraries*: OpenGL, ImageMagick, cURL, .NET, and X11.  
*Software (development)*: Inkscape, GIMP, Audacity, Reason, and Visual Studio.  
*Software (business)*: Microsoft Office and LibreOffice suites, (La)TeX.  
*Operating Systems*: Linux, \*BSD, Solaris, Darwin (OS X), and Windows.

**EXPERIENCE**     *Research Writer*     December 2014 -  
Dept. of Computer Science, University of Maryland, College Park  
• Charged with writing articles and summaries on systems research in the Computer Science department.  
• Published on the CS departmental website and in *Shell*, the department's biannual magazine.

*Contracted Computer Services and Repair*     February 2013 - July 2014  
Freelance, Manhattan, NY  
• Assisted clients in resolving hardware and software issues across Windows, OS X, and Linux.  
• Developed scripts and programs for backup, system maintenance, and emergency reporting.

*Computer Science Demonstrator*     2011 - 2014  
The Bronx High School of Science, Bronx, NY  
• Demonstrated Bronx Science's programs in Computer Science (AP CS, Robotics, Game Programming) to prospective and admitted students.  
• Developed special demo programs for demonstrations, including examples of genetic learning in robots and graphics demonstrations.

*Computer Systems Assistant*     Summer 2012  
M.S 54 - The Booker T. Washington Middle School, Manhattan, NY  
• Installed new computer hardware and computer lab equipment, including projectors and smart boards.  
• Imaged new machines with OSes, devised group policies, and transferred old student accounts, records, and files to the new systems.

**SERVICE,  
HONORS,  
EXTRA-  
CURRICULARS**     • Presidential Scholar, University of Maryland (2014 - )  
• Member, Maryland Cybersecurity Club (2014)  
• Winner, HackBCA 2014 (Top 20), HackUMBC 2014 (First Prize), HackDuke 2014 (IBM Prize)  
• National Latin Examination Honors (2011, 2012, 2013)  
• Founder, Bronx High School of Science Electronics Club (2013 - 2014)  
• Active Summer Volunteer at the New York Common Pantry (2011 - )