William P. Woodruff

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EDUCATION

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

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/XCB.
Software (development): Inkscape, GIMP, Audacity, Reason, Visual Studio, and Eclipse.
Software (business): Microsoft Office and LibreOffice suites, (La)TeX.
Operating Systems: Linux, *BSD, Solaris, Darwin (OS X), and Windows.

PROFESSIONAL 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), Bitcamp 2015 (Multiple Prizes)
- 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 -)