Eric Crosson
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Bachelor of Science in Electrical and Computer Engineering at University of Texas - 2015. GPA of 3.1
Interested in software development in linux, robotics, AI/machine learning, efficiency

Classes in creating a microprocessor, embedded systems, circuit theory, programming in C, differential equations, linear algebra, systems/signals, software design

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Extra Curricular Activities
Founded FIRST Robotics Competition (FRC) team 3529
Mentored a FIRST Technical Challenge (FTC), F. Lego League (FLL) and Jr. FLL team from 2009-2012

Computer Science UIL / Independent Study
Founded the competitive University Interscholastic League computer science team in high school, where I educated my team in essential concepts for Java/javascript, C/C++, Perl, HTML. Also knowledgeable in Emacs/Common Lisp, Octave, bash scripting and asm/C for TI-MSP430, Freescale 9S12, and ARM Cortex M3

Arch Linux afficionado
During my free time I keep multiple servers in tip top shape with my favorite minimalist linux distribution. Keeping systems efficient, small, and simple is a passion manifested in Arch. I've also been getting really into Emacs lately.

Work Experience
Software Engineer at ShoreTel (2012)
As a part of the IP Phone Group, I have developed a VNC client to help Customer Assistance and Administrators manage large groups of phones from afar all at once. After the VNC Tool I helped develop solutions for efficient unit testing, and have contributed to bugfixes and firmware development

Tutoring
Tutored high school and college students from different schools in computer science, physics, and mathematics

Bookkeeper for the International Brotherhood of Electrical Workers
Oversaw inventory of the textbooks in stock, and worked with the apprentices Read through textbooks, heard lectures from the electricians and systems technicians

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Self-motivated projects
http://www.github.com/EricCrosson
Installed solar panels into the back of an iPhone case to provide clean energy
Mounted kinetic-powered EL wire on a bicycle and long board
Arduino/Launchpad projects using LED strips and IR signals, converting wavelength to RGB with ADC feedback
ATTiny 13a collar for my dog Luna, Programming contests in Java, C, C++, and z80 asm
Eye-gaze projection software, cell-tracking image processing, and much more

Active in online classes
Autodidactic, seeking knowledge from services including OpenCourseware, Coursera, and edx. Classes taken include machine learning, neural networks, developing compilers, web intelligence/big data, algorithms II, cryptography

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Summer Camp Robotics Mentor
Volunteered 90 hours this summer to run a one week robotics camp for 9-13 year old students, requiring students to autonomously navigate an obstacle course with LEGO Mind Storm robots

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Commended as a 2011 National Merit Scholar; 4.3 GPA, graduated Summa Cum-Laude
Top 5% (33/654) of graduating high school class