



Education	Drexel University Bachelor of Science in Computer and Electrical Engineering	Philadelphia, PA Expected Graduation – June 2013 <i>Cumulative GPA: 3.60</i>																														
Honors and Awards	Dean's List A.J. Drexel Scholarship National Society of Collegiate Scholars Member Freshman Engineering 101 competition – 3 rd place	Fall 2008, Spring 2009, Fall 2009 Fall 2008 – Present Fall 2008 – Present Fall 2008																														
Computer Skills	<p>Software</p> <table border="0"> <tr> <td>Cadence PSpice</td> <td>Microsoft Powerpoint</td> <td>WireShark (formerly Ethereal)</td> </tr> <tr> <td>Clonezilla</td> <td>Microsoft Word</td> <td>Xilinx ISE</td> </tr> <tr> <td>Maple</td> <td>ModelSim</td> <td></td> </tr> <tr> <td>MATLAB</td> <td>Mondorescue</td> <td></td> </tr> <tr> <td>Microsoft Excel</td> <td>National Instruments LabView</td> <td></td> </tr> </table> <p>Languages</p> <table border="0"> <tr> <td>Android SDK</td> <td>LaTeX</td> <td>Operating Systems</td> </tr> <tr> <td>Bash Shell</td> <td>Perl</td> <td>Cisco IOS</td> </tr> <tr> <td>C++</td> <td>Python</td> <td>Linux (Arch, RHEL, Ubuntu)</td> </tr> <tr> <td>Java</td> <td>VHDL¹</td> <td>Mac OS (10.5, 10.6)</td> </tr> <tr> <td></td> <td>Wikitext</td> <td>Windows (98, XP, Vista, 7)</td> </tr> </table>	Cadence PSpice	Microsoft Powerpoint	WireShark (formerly Ethereal)	Clonezilla	Microsoft Word	Xilinx ISE	Maple	ModelSim		MATLAB	Mondorescue		Microsoft Excel	National Instruments LabView		Android SDK	LaTeX	Operating Systems	Bash Shell	Perl	Cisco IOS	C++	Python	Linux (Arch, RHEL, Ubuntu)	Java	VHDL ¹	Mac OS (10.5, 10.6)		Wikitext	Windows (98, XP, Vista, 7)	
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Experience	<p><i>Lockheed Martin MS2</i> Coop Technical Senior</p> <ul style="list-style-type: none"> • Wrote bash scripts to expedite deployment and integration processes • Developed, tested, and documented backup procedures for servers, diskless nodes, iSCSI² disk-based nodes. • Assisted in development of Cisco IOS applet to record changes of CompactFlash cards containing ship status information. <p><i>1393 Designatum</i> Co-founder & Android Developer</p> <ul style="list-style-type: none"> • Co-founded a development group to create hardware and software solutions to everyday problems • Co-wrote Android application “Textspanion” – 161 downloads as of July 5, 2011 • Co-wrote Android application “Punch Tracker” – 69 downloads as of July 5, 2011 <p><i>ACIN (Applied Communications and Information Networking)</i> Researcher, Directed by Dr. William Regli</p> <ul style="list-style-type: none"> • Configured and tested four-node homogeneous networking testbed • Performance testing for commercial 802.11g wireless adapters and military SRW³ JTRS⁴ devices • Contributed to VoIP plugin for C2MINCS⁵ Situational Awareness software • Established stable multi-node MANET⁶ with WPA2-Preshared Key and IPSec encryption • Represented ACIN at the 2010 Team C4ISR⁷ Symposium and Expo in Baltimore, MD • Configured several networks for the 2010 C4ISR OTM (On the Move) excursion in Ft. Dix, NJ • Communicated directly with project sponsors with US defense contractor CERDEC <p><i>GICL (Geometric and Intelligent Computing Lab) – Drexel University</i> Computer Lab Assistant, Directed by Dr. William Regli</p> <ul style="list-style-type: none"> • Part of team building and populating Engineering Format Registry • Designed and coordinated CD production for 2009 SIAM⁸/ACM⁹ joint conference • Set up personal server with extended MediaWiki installation • Created custom “Semantic Infobox” template using Semantic MediaWiki • Utilized SUMO¹⁰ and UNSPSC¹¹ ontologies in a Semantic Template • Organized and inventoried journal publications, computer parts, and other hardware <p><i>Highland Regional Highschool</i> Percussion Instructor</p> <ul style="list-style-type: none"> • Teach and perfect musical and performance skills of HS students • Build individualized performance characters for and ensure the safety of 31–40 students • Manage equipment logistics 	<p>Moorestown, NJ March – September 2011</p> <p>Bensalem, PA April 2011 – Present</p> <p>Camden, NJ March – September 2010</p> <p>Philadelphia, PA July 2009 – March 2010</p> <p>Blackwood, NJ January 2009 – November 2010</p>																														

¹VHSIC (Very High Speed Integrated Circuit) Hardware Description Language

²Internet Small Computer System Interface

³Soldier Radio Waveform

⁴Joint Tactical Radio System

⁵Command and Control Mobile Intelligent Net-centric Computer System

⁶Mobile Ad-Hoc Network

⁷Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance

⁸Society for Industrial and Applied Mathematics

⁹Association for Computing Machinery

¹⁰Suggested Upper Merged Ontology

¹¹United Nations Standard Products and Services Code

- Designed and constructed a hardware-based text-to-speech system
- Led group of five students
- Expanded existing ANSI¹² C code for PIC microcontoller
- Developed interface between PS/2 Keyboard and PIC processor

¹²American National Standards Institute