

CONTACT INFORMATION	2112 New Hampshire Ave NW Apt 906 Washington, DC 20009 (301) 586-2495 dmonner@overcomplete.net	overcomplete.net linkedin.com/in/dmonner github.com/dmonner bitbucket.org/dmonner
SKILLSET	<p>Specialties: Machine learning; neural networks; natural language processing; time-series prediction; data structure and algorithm design</p> <p>Languages: Java, Python (expert); Scala, C/C++ (proficient); many others</p> <p>Technologies: Matlab, R, MySQL, Git, Eclipse, L^AT_EX, more</p> <p>OS: Linux, Mac OS X (expert); Windows variants (proficient)</p>	
EDUCATION	<p>The University of Maryland, College Park, MD Ph.D. in Computer Science, GPA 4.0, November 2011 M.S. in Computer Science, GPA 4.0, May 2009</p> <p>The University of Iowa, Iowa City, IA B.S. in Computer Science, <i>Summa Cum Laude</i>, May 2005 B.S. in Mathematics, <i>Summa Cum Laude</i>, May 2005</p>	
SELECTED RESEARCH EXPERIENCE	<p>Postdoctoral Research Fellow / January 2012 to Present University of Maryland College Park, Computer Science</p> <ul style="list-style-type: none"> – Designed and tested a new neural network method for collective classification. – Developed a neural network method for inference in relational databases. – Advanced a theory of symbolic computation arising in distributed neural systems. <p>Graduate Research Fellow / August 2008 to August 2010 in Language Diversity IGERT Program, University of Maryland College Park</p> <ul style="list-style-type: none"> – Led an interdisciplinary research project on age effects in second languages. – Processed entire contents of Wikipedia in two languages to form a dataset. – Designed a neural network model of bilingual acquisition of grammatical gender. <p>Graduate Research Assistant / January 2007 to December 2011 to James A. Reggia & Others, University of Maryland College Park</p> <ul style="list-style-type: none"> – Derived the LSTM-g learning rule for second-order recurrent neural networks. – Developed neural networks to understand and answer questions in English. – Collected and used large social network datasets to predict music album sales. 	
SELECTED PROFESSIONAL EXPERIENCE	<p>Systems Engineer / May 2005 to May 2006 for Rockwell Collins, Cedar Rapids, IA</p> <ul style="list-style-type: none"> – Designed flight management and navigation systems for military aircraft. – Developed and executed test suites to verify correctness/robustness of systems. – Increased office efficiency by automating common or repetitive tasks. <p>Summer Engineering Project Intern / May 2004 to August 2004 for Rockwell Collins, Cedar Rapids, IA</p> <ul style="list-style-type: none"> – Wrote requirements for a comprehensive Eclipse plug-in to automate peer review. – Designed and implemented the plug-in with a team of other interns. – Gained experience with relational databases, CVS, and Eclipse development. 	