

Charles F. Greenbacker (Charlie) — Graduate Intern

Education

Ph.D. [Computer Science] University of Delaware, Newark, DE, in progress.

M.S. [Computer Science] University of Delaware, Newark, DE, 2009.

B.A., *magna cum laude* [Computer Science] Iona College, New Rochelle, NY, 2004.

Professional Positions

BBN Technologies, 2008-present; Teaching Assistant, University of Delaware, 2007-present; Communications & Computer Systems Officer, U.S. Air Force, 2004-2007.

Professional Responsibilities and Projects

[BBN – Present]

Mr. Greenbacker is a Graduate Intern with the Machine Learning group in the Information & Knowledge Technologies business unit. He is currently assisting the POIROT Project, part of the DARPA Integrated Learning Program. He is also working on Sparser, a bottom-up, phrase-structure-based chart parser, optimized for semantic grammars and partial parsing.

[Univ. of Delaware – Present]

Mr. Greenbacker is a PhD-track graduate student in the Dept. of Computer & Information Sciences focusing on Artificial Intelligence and Natural Language Processing under the advisement of Dr. Kathleen McCoy. As a teaching assistant, he has instructed graduate & undergraduate students in Operating Systems, Object-Oriented Software Engineering, and Artificial Intelligence. His research includes work on intelligent tutoring systems, automatic summarization, and generating referring expressions.

[U.S. Air Force – 2004-2007]

1st Lt Greenbacker filled numerous roles while stationed at Dover AFB. As Project Manager, he was responsible for the Digital Printing and Imagery Assessment program designed to reduce costs by developing paperless workflows. As Executive Officer, he provided all aspects of administrative support for a wartime operational flying Group and 583 assigned personnel. As Network Control Center Crew Commander, he led 55 airmen in the effective management of a \$43 million base network, supporting 8,000 users and 3,500 workstations in 60 organizations.

Honors and Professional Societies

Upsilon Pi Epsilon Computer Science Honor Society.

Clearance: Secret

System and Language Experience

Windows, Mac OS X, Solaris, Linux; Java, C/C++, Lisp, Perl, PHP, XML, HTML/CSS.