

* Left M. Eng. program to join Dropbox pre-fundraising. Completed all coursework. Draft thesis available on request.

Research Experience	MIT Distributed Robotics Lab			2009-2011
	Graduate Research Assistant			
	Built a system of robots and algorithms that could work as a team to build scaffolding. Primary author and presenter for two conference papers. Completed first and second drafts of master's thesis (available on request).			
	Microsoft Technical Computing Cloud			2010
	Intern			
	Developed novel machine learning approaches to anticipate demand for computing resources. Used these predictions to decrease power consumption across data centers.			
	MIT Systems Engineering Research Initiative			2009-2011
	Undergraduate Research Assistant			
	Built a physics simulator to produce and assess satellite designs. Primary co-author on a conference paper on new approaches to building complex systems. Recently (2014) adapted this work for publication in the Journal of Spacecraft and Rockets.			
Teaching Experience	Teaching Assistant	MIT 6.005 - Elements of Software Design		2010
	Lab Assistant	MIT 6.005 - Elements of Software Design		2008
	Lab Assistant	MIT 6.01 - Introduction to Computer Science		2008
Publications (alphabetical first authors)	Multi-Attribute Tradespace Exploration for Survivability A. Ross, D. Stein, D. Hastings, Journal of Spacecraft and Rockets vol. 51 no. 5 (2014)			
	Constraint-aware coordinated construction of generic structures D. Stein, T. Schoen, D. Rus, International Conference on Intelligent Robots (IROS) 2011 (presenter)			
	Experiments in Decentralized Robot Construction with Tool Delivery and Assembly Robots A. Bolger, M. Faulkner, D. Stein, L.White, S. Yun, D. Rus, International Conference on Intelligent Robots (IROS) 2010 (presenter)			
	Multi-Attribute Tradespace Exploration for Survivability: Application to Satellite Radar M.Richards, A. Ross, D. Stein, D. Hastings, AIAA SPACE Forum 2009			
Patents	Presenting data in response to an incomplete query David Stein, U.S. Patent 9,235,636 filed December 20, 2012, Issued Jan 12, 2016			
	Authorization Review System David Stein, U.S. Patent 9,497,253 filed April 9, 2013, Issued November 15, 2016			
	Unified Interface for querying data in legacy databases and current databases David Stein, U.S. Patent Application 13,737,322 filed January 9, 2013			
Collegiate Activities	Heavyweight Crew (Division 1, Freshman 8+ '06-'07, 1st boat '07-'08, '08-'09), Inter-fraternity Council (6 elected reps from 1000+ member community), Kappa Sigma Fraternity President			
Interests	Marathons and Half Marathons, Brewing Beer, SCUBA Diving, Rowing, Piano, Trombone			