

CONTACT INFORMATION	300 North College Street Northfield MN, 55057	mobile: (815) 501 7832 e-mail: andy@andyfreeland.net web: http://andyfreeland.net
EDUCATION	Carleton College , Northfield, Minnesota <i>Candidate for Bachelor of Arts in Computer Science; GPA: 3.71</i> <ul style="list-style-type: none"> Relevant Coursework: Algorithms, Artificial Intelligence, Computer Organization & Architecture, Cryptography, Data Mining, Data Structures, Math of Computer Science, Programming Languages, Statistics. Lebanese American University , Beirut, Lebanon <i>Institute for Intensive Arabic Language and Culture</i> <ul style="list-style-type: none"> Semester program in Arabic language and culture, focusing on Modern Standard Arabic, Lebanese Arabic, and the politics of the Middle East. 	September 2008 – June 2012 September 2010 – December 2010
PROJECTS	Futures Market <ul style="list-style-type: none"> Developed a futures market web application, similar to the Iowa Electronic Markets, using the Django framework and a jQuery frontend. Designed to handle a class of 50 students while performing live updates of stock prices and orders. Markets are initialized with and export to YAML for data analysis. HITSearch <ul style="list-style-type: none"> Worked in a three-person team to develop a search engine using the Django framework. Implemented a web crawler that safely crawled and indexed over 8000 pages. Supported user customization of search results by adjusting the weight of term frequency versus the HITS algorithm in the ranking. 20 Questions <ul style="list-style-type: none"> Worked in a two-person team to build an artificially intelligent twenty questions bot and web application using web.py. Conducted user testing to build a dataset and evaluate algorithms for choosing questions. Bot could learn new characters and new questions from user input. 	June – July 2011 June 2011 June 2010
RELATED EXPERIENCE	Carleton College , Northfield, Minnesota Assistant Systems Administrator <ul style="list-style-type: none"> Deployed Git server and led transition from SVN to Git. Configured and maintained Mac and Windows computer labs, faculty machines, and Linux servers. Documented server and lab configurations and wrote technical instructions for students. Assisted students with debugging and version control. Grader <ul style="list-style-type: none"> Graded programming assignments for an Introduction to Computer Science class. Evaluated for correctness and provided extensive feedback on style and programming practices. Rapid Response Assistant <ul style="list-style-type: none"> Worked with a team of full-time staff and student workers to provide phone and on-site technical support to faculty and staff with software, hardware, and networking issues. 	June 2010 – present January 2010 – March 2010 September 2009 – June 2010
ADDITIONAL EXPERIENCE	Arabic Teaching Assistant <ul style="list-style-type: none"> Held office hours and one-on-one sessions to help students with homework and practice oral skills. Assisted professor during in-class group work with 20 introductory Arabic students by answering questions and facilitating discussion. Developed audiolingual learning materials for the second-year students which allow students to hear a recording, practice pronunciation, and receive professor feedback. Volunteer Math Tutor <ul style="list-style-type: none"> Assisted teacher in tutoring 10-20 students from algebra through calculus in after-school sessions. Provided one-on-one tutoring for students outside of school. 	January 2011 – present August 2006 – Present
SKILLS	Python, Django, HTML/CSS, Scheme, C, SQL, Git, Bash, Linux/Unix Administration.	