

CONTACT INFORMATION	193 Quinlan Ave DeKalb, IL 60115	mobile: (815) 501 7832 e-mail: andy@andyfreeland.net GitHub: <a href="https://github.com/rouge8">https://github.com/rouge8</a>
EDUCATION	<b>Carleton College</b> , Northfield, Minnesota <i>Bachelor of Arts in Computer Science with Distinction</i> ; GPA: 3.69 <ul style="list-style-type: none"> <li>Relevant Coursework: Algorithms, Artificial Intelligence, Computer Organization &amp; Architecture, Computability &amp; Complexity, Cryptography, Database Systems, Data Mining, Data Structures, Programming Languages, Statistics.</li> </ul> <b>Lebanese American University</b> , Beirut, Lebanon <i>Institute for Intensive Arabic Language and Culture</i> <ul style="list-style-type: none"> <li>Semester program in Arabic language and culture, focusing on Modern Standard Arabic, Lebanese Arabic, and the politics of the Middle East.</li> </ul>	September 2008 – June 2012  September 2010 – December 2010
PROJECTS	<b>Futures Market</b> <ul style="list-style-type: none"> <li>Developed a futures market web application, similar to the Iowa Electronic Markets, using the Django framework and a jQuery frontend.</li> <li>Designed to handle a class of 50 students while performing live updates of stock prices and orders.</li> <li>Markets are initialized with and export to YAML for data analysis.</li> </ul> <b>HITSearch</b> <ul style="list-style-type: none"> <li>Worked in a three-person team to develop a search engine using the Django framework.</li> <li>Implemented a web crawler that safely crawled and indexed over 8000 pages.</li> <li>Supported user customization of search results by adjusting the weight of term frequency versus the HITS algorithm in the ranking.</li> </ul> <b>20 Questions</b> <ul style="list-style-type: none"> <li>Worked in a two-person team to build an artificially intelligent twenty questions bot and web application using web.py.</li> <li>Conducted user testing to build a dataset and evaluate algorithms for choosing questions.</li> <li>Bot could learn new characters and new questions from user input.</li> </ul>	June – July 2011  June 2011  June 2010
RELATED EXPERIENCE	<b>Carleton College</b> , Northfield, Minnesota <b>Assistant Systems Administrator</b> <ul style="list-style-type: none"> <li>Deployed Git server and led transition from SVN to Git.</li> <li>Configured and maintained Mac and Windows computer labs, faculty machines, and Linux servers.</li> <li>Documented server and lab configurations and wrote technical instructions for students.</li> <li>Assisted students with debugging and version control.</li> </ul> <b>Grader</b> <ul style="list-style-type: none"> <li>Graded programming assignments for an Introduction to Computer Science class.</li> <li>Evaluated for correctness and provided extensive feedback on style and programming practices.</li> </ul> <b>Rapid Response Assistant</b> <ul style="list-style-type: none"> <li>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.</li> </ul>	June 2010 – present  January 2010 – March 2010  September 2009 – June 2010
ADDITIONAL EXPERIENCE	<b>Arabic Teaching Assistant</b> <ul style="list-style-type: none"> <li>Held office hours and one-on-one sessions to help students with homework and practice oral skills.</li> <li>Assisted professor during in-class group work with 20 introductory Arabic students by answering questions and facilitating discussion.</li> <li>Developed audiolingual learning materials for the second-year students which allow students to hear a recording, practice pronunciation, and receive professor feedback.</li> </ul> <b>Volunteer Math Tutor</b> <ul style="list-style-type: none"> <li>Assisted teacher in tutoring 10-20 students from algebra through calculus in after-school sessions.</li> <li>Provided one-on-one tutoring for students outside of school.</li> </ul>	January 2011 – present  August 2006 – Present
SKILLS	Python, Django, HTML/CSS, Scheme, C, SQL, Git, Bash, Linux/Unix Administration.	