Andrew Dillon Lott

215 E. 4th St. Apt. #16, New York, NY, 10009

adl316@nyu.edu   (631) 466-4113

Education

Bachelor of Arts, Computer Science; **New York University**   *Expected Graduation: Dec 2011*
- Minors: Environmental Studies, Mathematics, Physics
- GPA: 3.34, Dean's List Fall 2009 - Spring 2010

Relevant Experience

Research and Development Intern; **SocialFlow**   *May 2011 - Aug 2011*
- Designed and implemented visualization of geocoded Twitter and bitly data using Google Maps Javascript API extensively with JQuery, CSS, and HTML
- Analyzed, processed, and plotted Twitter and bitly data using Python (matplotlib) and MySQL

Research Assistant; **Courant Institute of Mathematical Sciences**   *May 2010 - Sept 2010*
- Developed custom node monitoring software (Python) for local research network
- Configured node monitoring and notification software (Nagios, Ganglia) for local research network

Research Assistant; **Physics Department at New York University**   *May 2009 - July 2009*
- Modeled planetary nebula halos using MATLAB
- Derived formulae for modeling planetary nebula halos

Skills

Proficient: C / CSS / HTML / Java / Javascript / Processing / Python
Familiar: Bash / C++ / Objective-C / Git / Lush / MATLAB / MySQL / Ruby / Scheme
Preferred Platforms: Mac OS X / Ubuntu Linux / Red Hat Linux
Natural Languages: English (Native), Spanish (Intermediate Level), Japanese (Beginner Level)

Relevant Coursework

Undergraduate-level: Data Structures, Basic Algorithms, Computer Systems Organization
        Operating Systems, Computer Vision, Object-Oriented Programming, Theory of Computation
Graduate-level: Heuristic Problem Solving, Programming Languages, Machine Learning

Awards and Publications

- Huggins, P. J.; Lott, A. D.; Greenfield, B. L., 2010, The Shapes of Planetary Nebula Halos, Bulletin of the American Astronomical Society, 41, p 472
- New York University Arch Scholar

Activities

Association for Computing Machinery (Vice President)
- Constructed a 3-D printer (MakerBot)

Programming Team 2009 - 2011
- Placed 11th in the Greater New York Regional competition in 2011

HackNY Fellow 2011