

MATTHEW D. JOHNSON

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Education

- **Wesleyan University**—Middletown, Connecticut
Double major in Astronomy and Physics
 - BA with Honors in Astronomy, 2007
 - Honors thesis title: *Nebular Abundances in Star-Forming Dwarf Galaxies*

Experience

- **Slate.com**—New York, NY
Principal Software Engineer: July, 2009–present
 - Managed development and operations for TheBigMoney.com, Slate’s Drupal-based financial news sites
- **Observer Media Group**—New York, NY
Software Development Manager: February, 2009–June, 2009
 - Led and planned all software development operations in addition to ongoing development responsibilities.
- **Observer Media Group**—New York, NY
Software Developer: April, 2008–February, 2009
 - Participated in development and maintained of several Drupal-based online properties, including Observer.com and Poiliticker.com.
 - Integrated Drupal with several external services, including cloud computing (Amazon EC2), video hosting, email marketing, and news aggregation.
- **People For the American Way Foundation (Young People For)**—New York, NY
IT Project Manager: June, 2007–April, 2008
 - Built MyYP4, a Drupal-based suite which serves as CMS and CRM for organization’s staff and network of over 800 program participants.
- **Apple, Inc.**—on-site, Middletown, CT
Apple Campus Representative: September, 2005–May, 2007
 - Interacted with students and other University-affiliated customers to drive sales and increase awareness of Apple products
- **Space Telescope Science Institute (STScI)**—Baltimore, MD
Summer Student: June, 2006–August, 2006
 - Created (using Python and IDL) simulations of possible observations with space-based telescopes to determine feasibility.

- **Keck Northeast Astronomy Consortium Summer Program**—Williamstown, MA
Summer Research Fellowship: June, 2005–August, 2005
 - Developed a suite of tools in C to automate and integrate scientific analysis tasks
- **The Wesleyan Argus**—Middletown, CT
Online Editor: January, 2005–May, 2007
 - Built and launched a custom CMS for wesleyanargus.com; hired and supervised a staff of assistant web editors
- **Portland Webworks**—Portland, ME
Web Developer: May, 2004–August, 2004
 - Worked on rapid deployment of database-driven LAMP sites using in-house code library.

Software Developed

- ELSA (Emission Line Spectrum Analyzer):
<http://www.williams.edu/Astronomy/research/PN/elsa/>
- Assorted contributed Drupal modules: <http://drupal.org/user/169600>

Technology Competencies

- Operating systems: Mac OS X, Linux (several flavors), FreeBSD, Solaris
- Software and platforms: Drupal, Django, jQuery, Apache, MySQL, CVS, Subversion, Photoshop, and several scientific tools
- Languages: C, C++, PHP, Javascript, SQL, Python, XHTML/CSS, Perl, bash, IDL, and more whenever I get the chance

Achievements and Activities

- Served as chair of the Wesleyan University Honor Board, which supports the University's Honor Code and hears cases regarding violations of it.
- Awarded Littell Prize, which recognizes top graduating senior in the Wesleyan astronomy department.
- Presented research at 2006 and 2007 winter meetings of the American Astronomical Society; attended, and authored short paper for proceedings of, the International Astronomical Union symposium on planetary nebulae (see <http://journals.cambridge.org/action/displayAbstract?aid=577296>).