

HANS E HYTTINEN

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Certain details withheld from public résumé

<http://hanshyttinen.com/>

Education

- **Columbia University, Fu Foundation School of Engineering and Applied Science**—New York, NY
Computer Science, B.S.
 - Expected Graduation: May 2012
 - *Relevant Coursework:* Scientific Computation, Fundamentals of Computer Systems, Data Structures & Algorithms (Java), Discrete Mathematics, Advanced Programming (C/C++), Object-Oriented Programming & Design (Java), AP Computer Science AB (Java), Introduction to Java
- **The American School in London**—London, UK
2006–2008
- **The Latin School of Chicago**—Chicago, IL
2004–2006

Experience

- **Morgan Stanley**—New York, NY
Summer Technology Analyst: May 2010–August 2010
 - Adobe Flex development: implemented OLAP pivot tables as part of an existing software solution
- **Activities Board at Columbia**—New York, NY
Director of Technology: February 2010–present
 - Fixing bugs in current website's PHP backend
 - Implementing new features in upcoming club funding allocation management system (with PHP)
 - Improving user interface experience of upcoming system with jQuery, HTML 5, and CSS 3
- **Columbia Bartending Agency**—New York, NY
Webmaster: December 2009–present
 - Migrated static webpages to WordPress
 - Cleaned up HTML and CSS to adhere to web standards
- **Bwog.net**—New York, NY
Webmaster: October 2008–present
 - Redesigned front-end layout of Bwog.net, a 3500-uniques-per-day student-run group blog
 - Implemented most popular events calendar on campus using jQuery; now maintaining
 - Converted 2 million-line XML database dump from custom CMS format to WordPress using XQuery
 - Wrote WordPress plugin to indicate whether a comment originated from campus
 - Working with assistant developer to fix bugs and implement new features
 - Providing support for dozens of editors and writers
- **The American School in London**—London, UK
High School Clubs Webmaster: February 2007–April 2008
 - Installed, configured, and maintained Apache server with PHP and MySQL for multi-blog, multi-user WordPress content management system to be used by dozens of student clubs and organizations
 - Designed custom WordPress layout using XHTML and CSS with web standards
 - Trained club leaders in use of WordPress
 - Provided support for club leaders and school administrators
- **The American School in London**—London, UK
After-school Mathematics Club Teacher: September 2007–December 2007
 - Taught middle school students topics in mathematics, geometry, logic, and speedcubing

Skills

- **Operating Systems:** Mac OS X, Linux (Ubuntu, Debian), UNIX (several variants), Windows
- **Computer Languages**
 - Proficient in Java, C, Flex (ActionScript & MXML), HTML, CSS, PHP, Javascript, XML, XQuery, L^AT_EX
 - Familiar with C++, XSLT, SQL, Python, Ruby, shell scripting
- **Tools and Systems**
 - Proficient in Nginx, Apache, memcached, MySQL, jQuery, Emacs, Textmate, NetBeans, SVN, Photoshop, Fireworks, Mathematica, Textpattern, WordPress
 - Familiar with Eclipse, Django, Rails, MATLAB, Drupal

Achievements and Activities

- Programming, electronics, and web mentor for 2 Train Robotics, a high school FIRST Robotics team
- Founding member of the Application Development Initiative
- Founding Webmaster and member of the Executive Board of the Columbia University Photography Society
- Staff Photographer for *Columbia Daily Spectator*
- Former Layout Editor for *The Blue and White*, Columbia's undergraduate magazine
- Former Webmaster for *Columbia University Science Journal*
- Former Webmaster for Engineering Student Council 2012
- *Leadership experience in high school:* Captain, Programming Chief, and Webmaster of high school FIRST robotics team; Co-Founder and Layout Editor of high school magazine; principal flute and piccolo of high school Concert Band
- *Awards:* AP Scholar with Distinction, 2008; Computer Science Award, 2008; Advanced Photography Award, 2008; Spanish I Award, 2007; NHS, 2007, 2008; Erasmus Society, 2006; High Honor Roll, 2005, 2006, 2007, 2008
- Fluent in English and Finnish, proficient in written Latin, familiar with Spanish