

# Gregory M. Methvin

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## Education

*Carnegie Mellon University*, Pittsburgh, PA  
B.S. in Computer Science, 2011 (expected)  
Minors: Robotics, Language Technologies, Mathematical Sciences  
GPA: 3.6/4.0

*Glencoe Country School*, Ellicott City, MD  
College Preparatory Program, Class of 2007  
GPA: 4.0/4.0 (unweighted)

## Skills

*Operating Systems*: GNU/Linux (Debian, Arch Linux, Gentoo), FreeBSD, Solaris, Microsoft Windows  
*Programming Languages*: C, C++, Java, SML, Perl, Python, IDL, MATLAB, \*nix shells, x86(-64) assembly  
*Web Languages*: JavaScript, XML, (X)HTML, CSS, ASP, PHP, JSP, ColdFusion

## Relevant Coursework and Projects

*Language Technologies Project (Fall 2010)*

- Helped port the Flite text-to-speech program to the Android platform.
- Created and trained a customized Flite voice optimized for use with the navigation on Android.

*Operating System Design and Implementation (Fall 2009)*

- Implemented an operating system kernel in C and assembly for the x86 platform, with basic scheduling, preemption and memory management capabilities.
- Implemented a thread library that could be used on the OS to write multithreaded applications in C.

*Computational Intelligence Lab (Fall 2008)*

- Created a speech analysis system using C++ for use in meetings, which could be used to assess the mood, time talking, and number of interruptions for meeting participants.
- Created a GTK+ GUI frontend and a PHP-based web application to display the results.

## Experience

**Facebook** (Palo Alto, CA) May 2010 to August 2010  
*Software Engineer*

- Helped implement components of the Facebook site using PHP, XHTML, CSS, JavaScript and other tools.
- Refactored Facebook's JavaScript and PHP libraries to make them easier to use and reduce redundancy.
- Implemented a new portion of the Facebook site to be released in the coming months.

**Human-Computer Interaction Institute (CMU)** (Pittsburgh, PA) August 2009 to May 2010  
*Student Researcher*

- Aided with studies concerning user-interface navigation by motor-impaired individuals.
- Helped develop a Web-based introductory Java programming course for Open Learning Initiative (OLI).

**Johns Hopkins University Applied Physics Laboratory** (Laurel, MD) May 2009 to August 2009  
*Software Developer - Technical Services*

- Maintained and updated Web-based applications for product lifecycle management and work request systems, helping improve usability, browser compatibility, and standards-compliance.
- Created Web-based tools for managing employee training requirements using Java, JSP and JavaScript.

**TruSky.com** January 2008 to December 2009  
*Web Developer / Software Consultant*

- Implemented PHP and JavaScript sites for eBay sellers and small online retailers.

**NASA Goddard Space Flight Center** (Greenbelt, MD) June 2006 to August 2006  
*Software Developer*

- Developed software to process and catalog Chandra X-ray images.
- Helped cross-reference the data between the Chandra and XMM-Newton catalogs.