Christopher J. Peplin

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Contact Information

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Education

M.S.I.N. in Information Networking, expected May 2011
Information Networking Institute, Carnegie Mellon University, Pittsburgh, PA

B.S. in Computer Science, 2009
University of Michigan, Ann Arbor, MI
Cumulative GPA: 3.5, CSE Scholars Member

Computer Science Topics
Web Frameworks & APIs, Concurrent and Parallel Systems, Artificial Intelligence, Databases, Data Structures & Algorithms, Discrete Math, Operating Systems, UML

Work

Drupal Web Developer, May 2009 to present
Grosse Pointe Today, grossepointetoday.com
Working on a small development team to launch an alternative, online newspaper based on the Drupal platform. Creating custom content types & views, and analyzing usability.

Collaborative Grant Award Project, December 2008 to May 2009
University of Michigan - Grant Opportunities [Collaborative Spaces], Ann Arbor
Worked to reunite the disparate scales of humans and astronomic phenomenon using interactive 3D graphics, microcontrollers, sensors and live scientific data streams, and culminating in an interactive gallery installation.

Student Co-op & Contractor in Integrated Systems, May 2008 to August 2009
Toyota Technical Center, Ann Arbor
Worked on advanced development and implementation of intelligent transportation systems, focused on active safety. Implemented and tested inter-vehicle communications applications for the successful ITS World Congress 2008 demonstration in New York City.

Student High Performance Computing Support Staff, January 2008 to May 2008
University of Michigan - Center for Advanced Computing, Ann Arbor
Part of a small team that administrates a high-performance academic computing cluster. Assisted with network diagnostics, hardware support and user questions. Updated internal Wiki to track cluster problems and updates.

Instructor Assistant, September 2007 to January 2008
University of Michigan - College of Engineering, Ann Arbor
Assisted Professor Sugih Jamin in EECS 281 (Data Structures & Algorithms). Maintained online autograder (using PHP, MySQL and Perl), assisted students with debugging code in gdb, gprof and valgrind and answered project questions.

Skills

Web Frameworks & Languages
Valid HTML & CSS, Python & Django, Ruby On Rails, Drupal & PHP, SQL

Programming Languages
Java, C, C++ (including Intel Threading Building Blocks), Processing, Bash Shell

Linux Tools & Software
SSH, vi, rsync, gprof, Valgrind, Callgrind, GNU Screen, Subversion, Bazaar, Trac

Interests

Architectural and Industrial Photography, Holography, Cycling, Data Visualization, Music (collecting, recording, playing and listening), Physical Computing