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## Michael Glass

### Education      **University of Texas at Austin**

Bachelor of Science in Computer Science, Highest Honors. (8/25/1999 - 7/7/2001)

Pursuing Ph.D. in Computer Science (8/25/2004 - Present)

### Interests      Artificial Intelligence

Natural Language Processing

### Research Projects

#### **HALO 2**

A Vulcan Inc. project to develop a “Digital Aristotle”, a knowledge based program capable of answering novel questions in biology, chemistry and physics.

#### **Learning By Reading**

A DARPA project to extend a knowledge base from unstructured natural language text, now in Phase II.

### Publications      Michael Glass and Bruce Porter. Improving semantic integration by learning semantic interpretation rules. *AAAI Spring Symposium*, 2008.

Ken Barker, Bhalchandra Agashe, Shaw Yi Chaw, James Fan, Michael Glass, Jerry Hobbs, Eduard Hovy, David Israel, Doo Soon Kim, Rutu Mulkar, Sourabh Patwardhan, Bruce Porter, Dan Tecuci, and Peter Yeh. Learning by reading: A prototype system, performance baseline and lessons learned. In *Proceedings of Twenty-Second National Conference on Artificial Intelligence*, 2007.

### Work Experience

#### **ClearOrbit**

Software Developer from 8/13/2001 to 10/1/2003.

Developed and maintained ClearOrbit’s application server architecture including the custom webserver, telnet server and adapter, web services architecture. device integration and concurrent programs architecture. Used Java, C, SQL, PL/SQL and shell scripts.

- **Oracle**  
Designing and developing programs interfacing with Oracle in Java, C and PL/SQL.
- **Apache**  
Using Apache’s module architecture to create a custom webserver. Building and configuring Apache.
- **Web Services Integration**  
Automating secure business transactions through the web. Using SOAP protocols to conduct transactions with real time validation.

- **Building and Installing**

Building C programs for a wide range of UNIX platforms including Solaris, Linux, HP-UNIX, and Tru64. Writing installation scripts.

**Wayport**

Software Developer from 2/15/2004-8/13/2004.

Developed internal and external reporting and tracking tools primarily used in the installation and evaluation of wireless connectivity in McDonald's.

**Boeing Phantom Works**

Research Internship from 6/10/2005-9/26/2005

Developed a new implementation of a "resemblance check" for natural language interpretation. This allows a semantic interpreter to reject a candidate interpretation that does not conform to the expectations of the knowledge base.

## Key Projects

**Applied Materials OnlinePO** with ClearOrbit

Developed and assisted implementation of a scalable infrastructure for a multimillion dollar, online supplier collaboration system with one hundred and sixty five suppliers and approximately one thousand users. Developed and implemented the automated interface to the supplier collaboration system.

**Alcoa** with ClearOrbit

Assisted development of a scalable printing solution for the world's largest installation of Oracle.

**McDonald's** with Wayport

Developed an online order placement and tracking system for the installation of wireless connectivity in McDonald's.

## Skills

**Languages**

Java, Lisp, C and C++, C#, PL/SQL, SQL, UNIX Shell scripts, assembly

**Operating Systems**

Linux, UNIX, Windows XP/2000/NT/9X

**Software**

Oracle, Apache, Eclipse, Microsoft Visual Studio .NET, make, RCS, CVS, L<sup>A</sup>T<sub>E</sub>X, Macromedia Dreamweaver, Microsoft Word

April 3, 2009