ROBERT S. THAU
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EDUCATION

-Currently enrolled in MIT Dept. of Brain and Cognitive Sciences; Ph.D. expected April '97
-Thesis topic: map-building in robots based on camera input
-Harvard AB, Biology, 1986, Magna cum Laude

SKILLS

HTTP server development and protocol-level work, systems programming and other coding in C, C++, Java, Perl, Lisp dialects, HTML site development, CGI scripting.

WEB EXPERIENCE SUMMARY

February 1995–current: **Apache Web Server development**

-Experimental Threaded server (including user-mode threads package); in full-scale use on SunOS, works on many other systems, most without native thread support.
-Designed and implemented experimental support for authoring tools (HTTP PUT)
-Designed and implemented API for user extensions
-Converted existing NCSA code for directory indexing, server side includes, authentication, access control, etc., to use the API
-Designed and implemented "scoreboard" code, to adjust server pool size to actual server load
-Wrote original code for HTTP content negotiation.
-Designed and implemented experimental configurable logging module
-Wrote original compile-time Configuration script.

Server maintenance tools

-Program to summarize site traffic by directory, identifying high-traffic directories, and separating image traffic from other traffic.
-Miscellaneous scripts to handle log file rotation, etc.

Web content development and tools

Designed and wrote code for all of the following:
-Java-based chess server and client
-Search engine for online abstracts of AI lab publications.
-Seminar schedules, computed on the fly from email archives of announcements.
-Fixed numerous bugs in early versions of the Latex2HTML translator, in handling of macros, file inclusion, and tricky math-mode constructs.

OTHER WORK EXPERIENCE

Summers, 1989-1993, Thinking Machines Corp.

-Prototyping of new I/O modes on ScaleArray disk system.
-Performance studies of document retrieval on parallel machines (jointly published with Craig Stanfill).
-CM2 CMIS development for inner loops of database mining codes.

June 1986–July 1988, Thinking Machines Corp.

-Document retrieval development on CM2, including microcoding and extensive Lisp Machine code development, and writing specification for system eventually delivered to Dow Jones.
-Performance studies for other potential contracts.
-Coded experimental Frame system (joint with Janet Kolodner).