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Jim Tyhurst, Ph.D.
Application Architect

Education

Ph.D. in Computational Linguistics   University of California at Los Angeles
   Dissertation title: "Logical Forms for English Sentences"
   Committee chair: Edward L. Keenan
   Honors: Recipient of W.M. Keck Research Award for "Semantic Representations for English"
   project on the Connection Machine.
B.S. in Information and Computer Science   University of California at Irvine
B.A. in Mathematics
   Honors: Graduated *Cum Laude* in both bachelor's degrees.

Presentations and Papers

Tyhurst, Jim. 2017. Internationalizing an R application for model parameters that vary per country. Lightening talk presented at CascadiaRConf 2017. Portland, OR. June 3, 2017.
https://cascadiarconf.com/years/2017/
https://github.com/jimtyhurst/i18nr

Tyhurst, Jim. 2011. Model-Theory Semantics implemented in Clojure. Lightening talk presented at Lambda Lounge. St. Louis, MO. April 7, 2011.
http://www.tyhurst.com/pub/JimTyhurst-ModelTheorySemantics-20110407.pdf
https://github.com/jimtyhurst/generalized-quantifiers

Tyhurst, James J. 2006. Services that reach from the inside out. Presented at Dr. Dobb's Architecture & Design World. Chicago, IL. July 17 - 20, 2006.
http://www.tyhurst.com/pub/Tyhurst_Jim_ServiceGateways_20060719.pdf

Tyhurst, James J. 2002. Design considerations for applications that use domain-specific languages. Presented at the "Using Domain Specific Languages to Drive Business Applications" workshop at the Association for Computing Machinery's Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA 2002). Seattle, WA. Nov. 4 - 8, 2002.

Berman, Gerald D., Richard N. Gray, David Liu, and James J. Tyhurst. 2001. Structured radiology reporting: a 4-year case study of 160,000 reports. Presented at the 87th Annual Meeting of the Radiological Society of North America (RSNA 2001). Chicago, IL. Nov. 25 - 30, 2001.
http://www.tyhurst.com/pub/structurad-rsna-2001.pdf

Tyhurst, James J. 2001. Choosing transaction models for enterprise applications. Presented at the "Three-Tier Architecture Pattern Language" workshop at the Association for Computing Machinery's Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA 2001). Tampa, FL. Oct. 14 - 18, 2001.
http://www.tyhurst.com/resources/patterns/tx/

Tyhurst, James J. 1999. Business goals for developing an enterprise application integration framework. Presented at the "Achieving bottom-line improvements with application and enterprise frameworks" workshop at the 1999 ACM Conference on Object-Oriented Programming Systems, Languages, and Applications (OOPSLA '99). Denver, Colorado. November 1 - 5, 1999.

Tyhurst, James J. 1998. The risks of developing a framework in an immature domain. Presented at the "Pragmatic issues in using frameworks: Implications for framework design" workshop at the 1998 ACM Conference on Object-Oriented Programming Systems, Languages, and Applications (OOPSLA '98). Vancouver, British Columbia. October 18 - 22, 1998.

Tyhurst, James J. 1998. Case study: Publishing design deliverables on the web. Presented at the "Web enactment of object-oriented software design" workshop at the 1998 ACM Conference on Object-Oriented Programming Systems, Languages, and Applications (OOPSLA '98). Vancouver, British Columbia. October 18 - 22, 1998.

Tyhurst, James J. 1990. "Logical Forms for English Sentences". Ph.D. dissertation at the University of California, Los Angeles.

Tyhurst, James J. 1989. "A semantic characterization of referentially dependent noun phrases". Presented at the 1989 Annual Meeting of the Linguistic Society of America, Washington, DC, December 27-30, 1989.

Tyhurst, James J. 1989. "Interpreting generalized quantifiers in natural language". Presented at the 15th Annual Minnesota Conference on Language and Linguistics, Minneapolis, Minnesota, October 13-14, 1989.

Tyhurst, James J. 1989. "Complex reciprocals in English". Presented at the ASL/LSA Conference on Logic and Linguistics, University of Arizona, Tucson, July 23-24, 1989.

Tyhurst, James J. 1988. "The role of linguistic and sociolinguistic questionnaires in literacy development programs". Presented at the 19th Annual African Linguistics Conference, Boston University, April 15-17, 1988.

Tyhurst, James J., and Kerry L. Glover. 1988. "A menu-based interface for expert system rules". In Proceedings of the 2nd Annual Expert Systems Conference and Exposition (April 12-14, 1988). Detroit: Engineering Society of Detroit. pp. 203-210.

Tyhurst, James J. 1987. "Accent shift in Seminole nouns". In P. Munro (ed.), Muskogean Linguistics, UCLA Occasional Papers in Linguistics, No. 6. Los Angeles: University of California. pp. 161-170.

Tyhurst, James J. 1986. "Applying linguistic knowledge to engineering notes". In S.C-Y. Lu and R. Komanduri (eds.), Knowledge-Based Expert Systems for Manufacturing (PED-Vol. 24). New York: The American Society of Mechanical Engineers. pp. 131-136.

Tyhurst, James J. 1986. "Natural language processing applied to engineering notes". Ultratech Artificial Intelligence Conference Proceedings (Vol. 1), Long Beach, California. pp. 2-199 to 2-211.

Tyhurst, James J. 1986. "Lexical and phrasal tone patterns: evidence against the Obligatory Contour Principle". Presented at the 17th African Linguistics Conference, Indiana University, April 3-5, 1986.

Tyhurst, James J. 1985. "Tone in Kenyang Noun Phrases". M.A. thesis at the University of California, Los Angeles.

Tyhurst, James J. 1984. "Phonology of Kenyang". Yaoundé, Cameroon: Société Internationale de Linguistique. 60 pp.

Tyhurst, James J. 1983. "Linguistic survey of the Nyang languages". Yaoundé, Cameroon: Société Internationale de Linguistique. 80 pp.

Tyhurst, James J. 1983. "Cognate rate calculation program: COG User's Guide". Yaoundé, Cameroon: Société Internationale de Linguistique. 24 pp.

Tyhurst, James J., and Janis L. Tyhurst. 1983. "Sociolinguistic survey of Kenyang and Denya". Yaoundé, Cameroon: Société Internationale de Linguistique. 43 pp.