

Giancarlo Schrementi

- RESEARCH INTERESTS Machine learning, Bayesian inference, information theory, genetic algorithms, neural networks, natural language processing.
- EDUCATION **Indiana University**, Bloomington, Indiana
 Joint Ph.D. in Computer Science and Cognitive Science, Est. May 2011
Beloit College, Beloit, Wisconsin
 B.A. in Computer Science, B.A. in Classical Civilization, May 2001
 Minor in Mathematics
- PUBLICATIONS Giancarlo Schrementi and Michael Gasser. Emergent Generalization in Bayesian Agents Using Iterated Learning. In *Proceedings of the Alife XII Conference*. 2010.
 Giancarlo Schrementi and Michael Gasser. Minimum Description Length and Generalization in the Evolution of Language. In *Proceedings of the 8th International Conference on the Evolution of Language*. 2010.
 Giancarlo Schrementi and Michael Gasser. Pattern Discovery and Compression in Finite State Transducers. In *Proceedings of the 31th Annual Conference of the Cognitive Science Society*. 2009. Poster abstract.
 Damir Čavar, Paul Rodrigues, Giancarlo Schrementi, Toshikazu Ikuta, Joshua Herring. On Morphological and Distributional Cues for Part-of-Speech Induction. In *Proceedings of the Workshop on Computational Modeling of Lexical Acquisition: The Split Meeting*. 2005.
 Damir Čavar, Paul Rodrigues, Giancarlo Schrementi. Syntactic Parsing Using Mutual Information and Relative Entropy. In *Proceedings of the Midwest Computational Linguistics Colloquium*. 2004.
 Damir Čavar, Joshua Herring, Toshikazu Ikuta, Paul Rodrigues, Giancarlo Schrementi. On Unsupervised Grammar Induction From Untagged Corpora. In *Proceedings of the Poznań Linguistics Meeting*. 2004.
 Damir Čavar, Joshua Herring, Toshikazu Ikuta, Paul Rodrigues, Giancarlo Schrementi. On Statistical Parameter Setting. In *Proceedings of the First Workshop on Psychocomputational Models of Human Language Acquisition (COLING-2004)*. 2004.
 Damir Čavar, Joshua Herring, Toshikazu Ikuta, Paul Rodrigues, Giancarlo Schrementi. On Induction of Morphology Grammars and its Role in Bootstrapping. In *Proceedings of the 9th Conference on Formal Grammar*. 2004.

WORK
EXPERIENCE

Indiana University, Bloomington, Indiana

Associate Instructor

September 2002 to December 2010

Neural and Genetic Approaches to Artificial Intelligence, Natural Language Processing, Computation in Cognitive Science, Introduction to Operating Systems, Data Structures, Introduction to Programming, Introduction to Computers and Computing

- Planned and led 2-4 hours a week lab sessions
- Graded student work

Instructor of Record

September 2007 to December 2007

Introduction to Artificial Intelligence and Computer Simulation

- Planned semester-long course
- Designed programming and written assignments
- Lectured 3 hours a week
- Graded student work

Metaware Inc., Santa Cruz, California

Programming Intern

Summer 2000

Compiler Development

- Programmed testing code for C compiler

TECHNICAL SKILLS Programming: C, Objective C, C++, Matlab, Python, Scheme, iOS Development

AWARDS

Indiana University

- Travel Award, 2010
- Cognitive Science Summer Fellowship, 2004, 2005, 2006, 2007

Beloit College

- Eaton Scholarship, 1997-2001
- Howard Hughes Young Scholars Summer Research Fellow, 1997

Boy Scouts of America

- Eagle Scout

CITIZENSHIP

USA

PROFESSIONAL
ORGANIZATIONS

Association for Computing Machinery, Association for the Advancement of Artificial Intelligence, Cognitive Science Society