CURRICULUM VITAE FOR **CRAIG GRACI**

ACADEMIC EMPLOYMENT HISTORY

SUNY at Oswego, Director of Cognitive Science, 1999-present
SUNY at Oswego, Associate Professor of Computer Science, 1989-present
Syracuse University, CASE Center Visiting Research Professor, 1985-1986
SUNY at Oswego, Assistant Professor of Computer Science, 1982-1989
SUNY at Oswego, Computer Science Instructor, 1978-1982

FORMAL EDUCATION

M.A. in Mathematics (1976), State University of New York, College at Oswego
B.A. in Mathematics (1975), State University of New York, College at Oswego

COURSES TAUGHT

Foundations of Artificial Intelligence ◇ Topics in Artificial Intelligence ◇ Cognitive Musicology ◇ Brains, Minds, and Consciousness ◇ Semiotics ◇ Cognitive Science Capstone Seminar ◇ Introduction to Cognitive Science ◇ Computational Models of Cognitive Processes ◇ Data Structures and Algorithms ◇ Data Structures and File Processing ◇ Compiler Construction ◇ Computational Linguistics ◇ Foundations of Computer Science ◇ Database Systems ◇ Expert Systems and Knowledge Engineering ◇ Operating Systems ◇ Principles of Programming ◇ Problem Solving, Mathematics, and Computation ◇ Programming Languages ◇ Software Engineering ◇ Survey of Computers ◇ Systems Simulation ◇ Operations Research ◇ Methods of Statistical Analysis

RESEARCH SAMPLER

▷ "Channeling Bamberger: An Unorthodox Appreciation of Jeanne Bamberger's Work on Musical Development and Musical Understanding". Visions of Research in Music Education. Volume 20, 2012.
▷ "A Brief Tour of the Learning Sciences via a Cognitive Tool for Investigating Melodic Phenomena". Journal of Educational Technology Systems. Volume 38(2), 2009-2010.
▷ "A Procedural Take on the Deutsch/Feroe Formalism: Motivation and Computational Implementation". Paper presented at the biennial Society for Music Perception and Cogntion (SMPC) Conference, Indiana University - Purdue University Indianapolis, 2009.
▷ "A Quantitative Measure of Melodic Structure: Computational Infrastructure and Cognitive Implications". Paper presented at the SEMPRE sponsored Empirical Musicology Conference, University of London, April, 2008.
▷ "A Genetic Programming Approach to Determining Grouping Structure in Tonal Music". Talk given at the Eastman School of Music in the Music Cognition Symposium, Rochester, NY, March 22, 2008.
▷ "Neural Networks as Fitness Evaluators in Genetic Algorithms: Simulating Human Creativity", with R. Levy and V. Kempe. Poster presentation given at Cognitive Science 2001, University of Edinburgh.
▷ "Object-Orientation in CS1/CS2 with Java", with D. Lea and M. Mohammadi. Paper presented at the CSICC '97 Conference held at the Iran University of Science and Technology, Tehran, Iran.
▷ "Children, Chunking, and Computing", with J. Narayan and R. Odendahl. Journal of Computing in Childhood Education, Volume 3, 1992.
▷ "Bunny Numerics: A Number Theory Microworld", with J. Narayan and R. Odendahl. Paper presented at the 1989 Computers and Mathematics Conference, Massachusetts Institute of Technology. Published in Computers and Mathematics, edited by E. Kaltofen and S. M. Watt, Springer-Verlag, 1989.

SERVICE

Campus Concept Committee (9 yrs) ◇ Natural Sciences, Mathematics, Computer Science Subdivision Peer Review Committee (12 yrs) (Chair 6 times) ◇ Faculty Assembly (15 years) ◇ Long Range Planning Council ◇ SUNY Oswego Web Policy Advisory Group ◇ Auxiliary Services Board of Directors (6 yrs) ◇ Computing Services Council ◇ Deans Task Force on Learning and Teaching ◇ Deans Task Force on Interdisciplinarity ◇ IPAC ◇ Information Science Program Formation Committee ◇ Information Science Program Committee (12 yrs) ◇ Cognitive Science Program Formation Committee ◇ Director of Cognitive Science (12 yrs) ◇ HCI Program Formation Committee ◇ HCI Program Committee (5 yrs) ◇ Linguistics Program Committee (14 yrs) ◇ Computer Science Department Personnel Committee (27 yrs) ◇ Computer Science Department Curriculum Committee (23 yrs)