

# 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

- ▷ “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.
- ▷ “Children, Chunking, and Computing”, with J. Narayan and R. Odendahl. *Journal of Computing in Childhood Education*, Volume 3, 1992.
- ▷ “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.
- ▷ “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.
- ▷ “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.
- ▷ “A Quantitative Measure of Melodic Structure: Computational Infrastructure and Cognitive Implications”. Paper presented at the SEMPRES sponsored Empirical Musicology Conference, University of London, April, 2008.
- ▷ “A Brief Tour of the Learning Sciences via a Cognitive Tool for Investigating Melodic Phenomena”. Paper presented at CIT2009, State University of New York at Oswego, May, 2009.
- ▷ “A Procedural Take on the Deutsch/Feroe Formalism: Motivation and Computational Implementation”. Paper presented at the biennial Society for Music Perception and Cognition (SMPC) Conference, Indiana University - Purdue University Indianapolis, 2009.

## SERVICE

Campus Concept Committee (9 yrs) ◊ Natural Sciences, Mathematics, Computer Science Subdivision Peer Review Committee (9 yrs) (Chair 6 times) ◊ Faculty Assembly (14 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 (10 yrs) ◊ HCI Program Formation Committee ◊ HCI Program Committee (5 yrs) ◊ Linguistics Program Committee (11 yrs) ◊ Computer Science Department Personnel Committee (27 yrs) ◊ Computer Science Department Curriculum Committee (23 yrs)