Tomasz Oliwa

tomasz@cs.uga.edu
http://www.cs.uga.edu/~tomasz/

Objective

To obtain the Doctor of Philosophy (Ph.D.) in Computer Science at The University of Georgia.

Education

2006 - present **The University of Georgia**
PhD, Computer Science

Relevant Experience

Courses Taken, The University of Georgia

ARTI 6540 Symbolic Programming
CSCI 6050 Software Engineering
CSCI 6470 Algorithms
CSCI 6570 Compilers
CSCI 6760 Computer Networks
CSCI 8940 Computational Intelligence
CSCI 8990 Research Seminar
PHIL 6510 Deductive Systems
PHIL 8310 Seminar in the Philosophy of the Mind
ARTI 8800 Readings in AI
CSCI 6070 Game Programming
CSCI 6550 Aritficial Intelligence
CSCI 6560 Evolutionary Computation
CSCI 6950 Directed Study
CSCI 8950 Machine Learning
GRSC 7770 Graduate Seminar
PSYC 6100 Cognitive Psychology

Research Interest

Evolutionary Computation (Genetic Algorithms, Genetic Programming, Evolution Strategies)

Machine Learning (Combining different Machine Learning approaches like SVM, Linear GP)

Formal Methods (Theorem Proving, Formal Verification of Software)

Artificial Intelligence (Application of AI Related Methodologies to other Computer Science Fields)

Computer-related skills

Fluent in: Java, C, C++, Prolog, Lisp, Pascal, Assembly (8085 microprocessor), Bash

Strong Programming Abilities with Libraries/Packets: SDL, Java Servelt, Bison, Flex, GAlib, VNUML

12+ Years User and Admin Experience with GNU/Linux (Debian, Fedora, SUSE, Ubuntu)

International Conference Publications (Peer reviewed)

Tomasz Oliwa, "Genetic Algorithms and the abc Music Notation Language for Rock Music Composition",
Proceedings of ACM Genetic and Evolutionary Computation Conference 2008 (**GECCO 2008**),
ACM, New York, NY, 1603-1610.

Tomasz Oliwa and Markus Wagner, "Composing Music with Neural Networks and Probabilistic Finite-State Machines",
Proceedings of the Sixth European Workshop on Evolutionary and Biologically Inspired Music, Sound, Art and Design
(**EvoMUSART 2008**), Springer Berlin / Heidelberg, Springer, 503-508.