

Anthony Jack Carlisle

Professor of Computer Science

Huntingdon College

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Education:

2002 **Ph.D.**, Computer Science, Auburn University, Auburn, Alabama
1988 **MS** in Computer Science, University of Alabama at Birmingham, Birmingham, Alabama
1982 **MBA** (Information Systems), Auburn University at Montgomery, Montgomery, Alabama
1976 **BA** in Mathematics, Huntingdon College, Montgomery, Alabama

Teaching Experience:

2003-Present Professor of Computer Science, Huntingdon College
1983 - 2002 Associate Professor of Computer Science, Huntingdon College
1984 - 1992 Assistant Professor of Computer Science, Huntingdon College
1978 - 1983 Instructor in Computer Science, Huntingdon College
Various years Adjunct Instructor with Alabama TechnoCenter

Courses taught: Introduction to Computer Science Computer Usage Laboratory File Management
Data Structures and Algorithm Design Systems Architecture Software Design and Development
Database Management Systems Operating Systems Simulation and Modeling
Artificial Intelligence Introduction to Computer Graphics Principles of Image Processing
Internet Publishing Digital Imaging Dynamic HTML
2D Effects and Animation 3D Modeling & Raytracing Algorithms
Programming in ...(see below) Management Information Systems Introduction to Robotics
Swarm and Evolutionary Intelligence

Seminars: The Nature of Intelligence and Artificial Intelligence (Interdisciplinary Honors)
Critical Thinking (Interdisciplinary Honors) Writing CGIs for Web Pages
Computer Crime Cryptography Fuzzy Sets and Fuzzy Math.
Desk Top Publishing AI Programming in PROLOG Computer Literacy for Faculty
Contemporary Topics in Computation Computer Aided Instruction Elementary Image Processing
Macintosh Programming X11 Programming Expert Systems
Life and Artificial Life Web Page Construction Internet Access and Management
Computer Usage for Faculty Computer Usage for Administration/Staff

Academic Service:

Vice President for Academic Affairs and Dean of Faculty, 2007-2008
Acting Dean of Faculty, 2007
Associate Dean of Faculty, School of Arts and Sciences, 2006-2007
Associate Dean of Faculty, School of Sciences, 2005-2006
Chair, Department of Mathematical and Computer Sciences, 1999-2006
1999 Exemplary Teacher Award
Huntingdon College Webmaster, 1995-1999 Macintosh Lab Manager
Long Range Planning Committee Class Advisor, Class of 1987
Faculty Development Consortium: Steering Committee (1996-1998)
1998-2000 Accreditation Self-study: Financial Resources Committee (Secretary)
1990 Accreditation Self-study: Purpose Committee, Steering Committee
Various years: Mathematics and Computer Science Club Advisor, Huntingdon Film Society, Literary Society, Chess Club, Gargoyle (student newspaper) Production Advisor

Community Service:

Event Coordinator, Science Olympiad
Technical Coordinator, B.E.S.T Robotics Competition
Editor, Montgomery Area Stamp Club newsletter
Virtual Volunteer, White House's Interactive Citizens' Handbook, Travel and Tourism page, 1995

Publications and Presentations:

- 2002 Applying the Particle Swarm Optimizer to Non-Stationary Environments, *Dissertation, Auburn University*
Tracking Changing Extrema with Adaptive Particle Swarm Optimize, *WAC 2002 Proceedings, Orlando, Florida, June, 2002*
- 2000 Adapting Particle Swarm Optimization to Dynamic Environments, with Gerry Dozier, *Proceedings of the International Conference on Artificial Intelligence, Las Vegas, June, 2000.*
Tracking Changing Extrema with Particle Swarm Optimizer, Auburn University Technical Report CSSE01-08
An Off-The-Shelf PSO, *PSO Workshop, IUPUI, Indianapolis, IN, April, 2001*
- 1989 *Natural Language Processing with Fuzzy Distributions*, Sponsored Research, Universal Energy Systems Summer Fellow (1989) under Air Force Office of Scientific Research/AFSC contract F49620-88-C-0053.

Analyst Experience:

- 1978-1985 **Senior Systems Analyst,** Huntingdon College
Duties included the design and implementation of a campus-wide administrative DBMS, training staff, evaluating and selecting software and hardware, and assisting in computer operations.
- 1983-2000 **Consulting Programmer Analyst,** State Occupational Information Coordinating Committee,
Alabama Department of Economic and Community Affairs
Responsibilities included the design and implementation of a state-wide student-oriented Career Information System and its delivery system.
- 1975-1978 **Systems Analyst,** Vocational Management Information System,
Division of Vocational Education,
State Department of Education

Additional Experience and Skills:

- Languages: Conversant in C, PROLOG, LISP, Pascal, FORTRAN, COBOL, Macro-11 (DEC assembler), BASIC, HyperCard, X-11, Perl, JAVA, Javascript, AppleScript, PHP, various Unix shells, OpenGL, MySQL, FileMaker. Familiar with OPS-5, SIMSCRIPT, Ada, CLIPS.
- Operating Systems: Experienced with RSTS/E, VAX VMS, MS-DOS, Macintosh OS and OS X, UNIX, LINUX, Open Windows, Microsoft Windows, RT11, CP/M.
- Additional consulting: Alabama Farm Bureau, Montgomery, Alabama:
Lees Junior College, Jackson, Kentucky:
EBSCO Curriculum Materials, Birmingham, Alabama:

References:

Available on request.