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Education

Doctorate (PhD), Computer Science	Jan 1990 — Apr 1993
The Florida State University	Tallahassee, Florida, UNITED STATES
Dissertation: <i>A Fuzzy Logic Approach for Cognitive Diagnosis</i>	
Certificate (Graduate), Cognitive Science	Jan 1991 — Dec 1992
The Florida State University	Tallahassee, Florida, UNITED STATES
Master of Science (MS), Computer Science	Aug 1986 — Dec 1989
The Florida State University	Tallahassee, Florida, UNITED STATES
Thesis: <i>A Fuzzy Cognitive Map Framework for Approximating Chains of Thought</i>	
Bachelor of Science (BS), Computer Science	Jun 1982 — Apr 1986
University of the Philippines at Los Banos	Los Banos, Laguna, PHILIPPINES
Thesis: <i>An Intelligent Tutoring System for Introductory Computer Science</i>	

Professional Membership

International Conference on Computational Science and its Applications (ICCSA)	Conference Co-Founder, International Steering Committee	Aug 2001 — present
Association of Computing Machinery (ACM)	Member, Special Interest Group on Artificial Intelligence (SIGART)	Jan 1996 — Dec 2003
Institute of Electrical and Electronics Engineers (IEEE)	Member, Special Interest Group on Fuzzy Systems (FS)	Jan 1994 — Dec 2004
Institute of Electrical and Electronics Engineers (IEEE)	Member, Special Interest Group on Knowledge & Data Engineering (KDE)	Jan 1994 — Dec 2004
Sigma Xi Scientific Research Society	Member	Aug 1993 — present
Sigma Zeta Honorary Science Society	Member	Aug 1995 — present
Upsilon Pi Epsilon (UPE) International Honor Society	Member	Jan 1987 — present

Awards and Recognitions

California State University, Chico	Sabbatical Leave	Jul 2004
Paid leave to administer an NSF grant and to form Institute for Research in Intelligent Systems (IRIS) and Intelligent Systems Laboratory (ISL).		
California State University, Chico	Professional Achievement Honor	Jan 2004
University Teacher-Scholar Award for "distinguished faculty for excellence in research, publications, funded projects, international recognition, or for creative work in any area of their professional lives."		
National Science Foundation	Grant EIA-0321385 for \$346,188	Jul 2003
Major Research Instrumentation (MRI) and Research in Undergraduate Institutions (RUI) award for "Acquisition of robotics equipment for an Intelligent Systems Laboratory."		
California State University, Chico	\$4,380 Research Award	Jan 2002
Internal grant from CSUC Graduate, International and Sponsored Programs for "Outfitting an Intelligent Controls Laboratory for Teaching Machine Intelligence."		
Booz Allen & Hamilton Inc.	\$182,708 Grant Award	Jan 2001
Fuzzy-neural techniques for logistics modeling and simulation. Research included use of fuzzy logic for simulation and modeling of electric systems.		
California State University, Chico	Nominee, Outstanding Professor Award	Aug 2000
California State University, Chico	\$4,551 Research Award	Aug 1998
Internal grant from CSUC Graduate, International and Sponsored Programs for "Software Support for an Intelligent Controls Laboratory"		
Coastal Carolina University	\$1,805 Teaching with Technology Award	Feb 1998
Internal Faculty Welfare & Development grant for "Introduction to Robotics"		
Coastal Carolina University	\$4,200 Teaching with Technology Award	Feb 1998

Internal Faculty Welfare & Development grant for "Wireless Data Communications and Mobile Computing Systems"		
Coastal Carolina University	\$600 Professional Activities University Grant	Sep 1997
Internal Academic Affairs and Faculty Welfare & Development grant		
Coastal Carolina University	\$400 Professional Activities University Grant	Feb 1997
Internal Academic Affairs and Faculty Welfare & Development grant		
Coastal Carolina University	\$700 Professional Activities University Grant	Feb 1996
Internal Academic Affairs and Faculty Welfare & Development grant		
Coastal Carolina University	\$700 Professional Activities University Grant	Sep 1995
Internal Academic Affairs and Faculty Welfare & Development grant		
Coastal Carolina University	\$300 Professional Activities University Grant	Feb 1995
Internal Academic Affairs and Faculty Welfare & Development grant		
The Florida State University	Outstanding Graduate Teaching Assistant	May 1992
Department of Computer Science		
The Florida State University	Outstanding Graduate Teaching Assistant	May 1991
Department of Computer Science		
North American Fuzzy Information Processing Society (NAFIPS)	K.S. Fu Certificate of Appreciation	Oct 1990
Best Student Paper award		
The Florida State University	Outstanding Graduate Teaching Assistant	May 1990
Department of Computer Science		

Relevant Experience

Interim Chair	(Ref: http://www.ecst.csuchico.edu/ece)	Aug 2011 — present
CSUC Department of Electrical and Computer Engineering (EECE)		Chico, California, UNITED STATES
12-month 0.25 faculty position, augmented with a 12-month 0.75 management personnel position as Associate Dean of ECC.		
<ul style="list-style-type: none"> • additional department duties include: <ul style="list-style-type: none"> ◦ Graduate coordinator for M.S. in Electrical and Computer Engineering program ◦ Chair, EECE Post Tenure Review Committees • represents department in various college-level committees <ul style="list-style-type: none"> ◦ Member, ECC Academic Status Committee ◦ Member, ECC Curriculum Committee 		
Associate Dean	(Ref: http://www.csuchico.edu/ecc)	Jul 2010 — present
CSUC College of Engineering, Computer Science, and Construction Management (ECC)		Chico, California, UNITED STATES
12-month, 0.5 management personnel position, and academic year, 0.5 instructional faculty position; reports to the Dean of ECC and represents the Dean in his absence.		
<ul style="list-style-type: none"> • Coordinates assessment activities within the college and departments; <ul style="list-style-type: none"> ◦ ECC Assessment Council; Chair, Jul 2010 - present • assists with accreditation matters and program reviews; <ul style="list-style-type: none"> ◦ ECC Curriculum Committee; Chair, Aug 2010 - present ◦ Lead, Concrete Industry Management (CIMT) Program Academic Program Review (APR), Jan 2011 - present. • assists with college strategic planning; <ul style="list-style-type: none"> ◦ ECC Administrative Council; Member, Jul 2010 - present ◦ Chico Economic Planning Corporation (CEPCO), Technology Group; Member, Jul 2010 - present • serves as a member of the College Advisory Board, and assists the dean with certain advancement and development activities; <ul style="list-style-type: none"> ◦ ECC Scholarships Committee; Chair, Sep 2010 - present • coordinates addressing of issues related to facility needs, including laboratory and classroom utilization within the college, as well as development of college computing facilities; <ul style="list-style-type: none"> ◦ ECC Coordinated Computer Networks Offering Committee; Chair, Sep 2010 - Feb 2011 ◦ ECC Equipment Technician II, Electro-Mechanical (10-0044) Hiring Committee; Chair, Sep 2010 - Oct 2010 ◦ ECC College Office AAS Hiring Committee; Member, Oct 2010 - Dec 2010; Chair, Jan 2011 - April 2011 ◦ MMEM Sustainable Manufacturing Program (SMFG) Full-Time Lecturer Hiring Committee; External Member, April 2011 - present • serves as chair of the College Curriculum Committee; <ul style="list-style-type: none"> ◦ Proposed Interdisciplinary M.S. in Mechatronics; Member, Apr 2010 - Dec 2010 		

- represents the college on various university committees as appointed by the dean or Provost; and
 - University Academic Assessment Council (AAC); Member, Jul 2010 - present
- assists with planning and organizing college-wide events.
 - Lead, College of ECC high school outreach program with Inspire High School for the Arts and Sciences (focus on getting local kids to consider going to college, and have Chico State as a choice), Jul 2010 - present
 - Lead, College of ECC website migration to Cascade WCMS, Sep 2010 - present

Assessment Coordinator	(Ref: http://csci.ecst.csuchico.edu/assessment)	Jan 2010 — Jun 2010
CSUC Department of Computer Science (CSCI)		Chico, California, UNITED STATES
Coordinates gathering of assessment data for program assessment, analysis, and interpretation culminating in annual university and college program improvement reports for all three programs (B.S. in Computer Information Systems, B.S. in Computer Science, and M.S. in Computer Science) offered by the department.		
<ul style="list-style-type: none"> • assisted in writing responses to ABET CAC reports regarding Computer Science reaccreditation and Computer Information Systems accreditation efforts • coordinates (since Spring 2002) administration of the Major Field Test (MFT) in Computer Science. 		
Faculty Mentor	(Ref: http://www.chicousd.org/dna/champ)	Sep 2009 — May 2010
Chico High Academic Mentor Program (CHAMP)		Chico, California, UNITED STATES
Mentor to a high school student interested in a robotics-related degree in college; student is working with a LEGO Mindstorms NXT kit loaned from the Intelligent Systems Lab (ISL); met with student once a month.		
External Consultant	(Ref: http://www.uvi.edu)	Aug 2009 — Sep 2009
University of the Virgin Islands (UVI)		St. Thomas, Virgin Islands, UNITED STATES
Academic Program Review for the Department of Computer Science, Division of Math and Science.		
<ul style="list-style-type: none"> • Evaluated curriculum and program delivery at both St. Thomas and St. Croix campuses. • Assessed plans to transition from offering three degree programs (B.S. in Computer Science, A.S. in Computer Science, and A.A. in Computer Information Systems) to two degree programs (B.S. in Computer Science, and A.A.S. in Computer Information Technology). • Proposed program improvement plans for potential ABET-accreditation of the two degree programs. 		
Coach	(Ref: http://www.acmicpc-pacnw.org)	Aug 2007 — Sep 2010
CSUC Programming Team, ACM Pacific Northwest Regionals Programming Contest		Chico, California, UNITED STATES
Developed and taught CSCI 498, Competitive Coding Class, in Fall 2007 to facilitate team practices for the annual programming competition. Coached and accompanied programming teams in 2007 (Stanford), 2008 (Stanford), and 2009 (Univ. of the Pacific). Continues to assist with preparing programming teams for competitions through ACM Regionals mock-ups and practice sessions.		
Assessment Coordinator	(Ref: http://www.csuchico.edu/ecc)	Aug 2007 — Jun 2010
CSUC College of Engineering, Computer Science, and Construction Management (ECC)		Chico, California, UNITED STATES
Works closely with the Dean of the College of ECC on college-wide assessment-related matters; coordinates efforts of the ECC Assessment Council (EAC); College of ECC representative at the CSUC Academic Assessment Council (AAC) since Fall 2008.		
<ul style="list-style-type: none"> • Transitioned College of ECC Graduating Senior Survey from paper form to an electronic, Web-based form; worked with a Computer Science student to implement this e-form. • Chair, EAC, AY 2008-2009, 2009-2010: coordinates efforts of all ECC assessment facilitators, including annual University assessment reports, College Senior Survey administration and reporting, and others. • Coordinated College of ECC's involvement with the university's WASC (Western Association of Schools and Colleges) re-accreditation efforts; organized College's poster sessions during the WASC visit March 4-6, 2009. • Member, EAC, AY 2007-2008 		
Assessment Coordinator	(Ref: http://csci.ecst.csuchico.edu/assessment)	Aug 2007 — May 2009
CSUC Department of Computer Science (CSCI)		Chico, California, UNITED STATES
Coordinates gathering of assessment data for program assessment, analysis, and interpretation culminating in annual university and college program improvement reports for all three programs (B.S. in Computer Information Systems, B.S. in Computer Science, and M.S. in Computer Science) offered by the department.		

- wrote ABET CAC Computer Science (and assisted in Computer Information Systems) Self-Study Report for Fall 2009 reaccreditation effort
- coordinates (since Spring 2002) administration of the Major Field Test (MFT) in Computer Science.

Professor	(Ref: http://csci.ecst.csuchico.edu)	Jan 2007 — present
California State University, Chico (CSUC)		Chico, California, UNITED STATES

Teaches both undergraduate- and graduate-level courses in Computer Science either in a traditional classroom setting or via distance education (both using Blackboard Vista and HorizonLive!/HorizonWimba!) through CSUC's Regional and Continuing Education (RCE); involved in various activities with student organizations and advising graduate-level projects and theses.

- University-level activities:
 - Information Technology (I.T.) Strategic Planning Steering Committee; Co-Chair, Nov 2010 - present.
 - Enrollment Management Advisory Committee (EMAC); Member, Jan 2007 - May 2010.
 - University Technology Advisory Committee (UTAC); Chair, Sep 2010 - present, Sep 2008 - May 2010; Member, Sep 2006 - May 2008.
 - Subgroup on iPad/Tablet Use on Campus; Chair, Apr 2011 - Jul 2011
 - Academic Assessment Council (AAC); Member, Aug 2008 - present
 - Academic Technology Advisory Group (ATAG); Member, May 2010 - present
 - Clicker Users Group (faculty and staff involved with campus-wide adoption of TurningTechnologies ResponseCard XR clickers); Member, Aug 2007 - present
 - Bb Learn Pilot Group (faculty piloting campus implementation and transition to Blackboard Learn); Member, Mar 2010 - present
 - Bb Learn Training/Support/Documentation Team (faculty representative to Blackboard Learn implementation team); Member, Mar 2010 - present
 - LMS Crossroads Project (group investigating replacement for campus Blackboard Vista learning management system); Member, Mar 2009 - Feb 2011
- College-level activities:
 - Chair, Concrete Industry Management (CIMT) Program Personnel Committee, Feb 2011 - present.
 - (External) Member, Department of Electrical and Computer Engineering (EECE) EENG Hiring Committee, Nov 2010 - Mar 2011.
 - (External) Member, Department of Electrical and Computer Engineering (EECE) CMPE Hiring Committee, Oct 2009 - April 2010.
- Department-level activities:
 - Chico State ACM Regionals Programming Team; Practice Problems Setter, Sep 2010 - present.
 - Assessment Committee; Chair, Aug 2005 - May 2010.
 - Faculty Adviser, ACM Student Chapter, Aug 2006 - May 2010.
 - Distance Learning Committee; Member, Aug 2008 - present.
 - Graduate Committee (involved in writing and grading portions of the Comprehensive Core Exam); Member, May 2002 - present.
 - Laboratory Committee; Chair, Jan 2007 - May 2008; Member, Sep 2010 - present.
 - Personnel Committee; Chair, PPI Subcommittee, Oct 2008 - Dec 2008; Member, Aug 2007 - May 2008.
- Courses taught:
 - CSCI 110: Introduction to Applications Programming (in Python)
 - CSCI 111: Programming and Algorithms I (in C++)
 - CSCI 311: Algorithms and Data Structures (in C++)
 - CSCI 490: Directed Programming Experience
 - CSCI 498: Competitive Coding Class
 - CSCI 550: Theory of Computing (using JFLAP; also taught as a distance education course)
 - CSCI 580: Artificial Intelligence
 - CSCI 585: Robotics and Machine Intelligence
 - CSCI 598/682: Data Mining (using WEKA; also taught as a distance education course)
 - CSCI 659: Topics in Computing Theory
 - CSCI 682: Topics in Artificial Intelligence
 - CSCI 693: Research Methods in Computer Science
 - CSCI 697: Independent Study
 - CSCI 699P: Master's Project
 - CSCI 699T: Master's Thesis
 - EECE 135: Algorithms and Programs for Engineers (in C++)

Director	(Ref: http://iris.ecst.csuchico.edu)	Jan 2006 — present
CSUC Institute for Research in Intelligent Systems (IRIS)		Chico, California, UNITED STATES

IRIS oversees the Intelligent Systems Laboratory, or ISL (see www.gotbots.org). In particular, IRIS handles policies and management issues pertaining to the ISL. IRIS also serves as an advocate for curriculum, research, outreach, and projects related to the ISL and its mission.

- Co-Director, Summer Robotics Camp for Junior High Girls: 2006, 2005, 2004.
- Presenter, "The Intelligent Systems Lab: Hummers, Ants, MechMoths, and the Chico State SoccerBots," CSUC Math Club MATH Seminar, May 2, 2006.
- Sony AIBO Quadruped SoccerBots demonstration, Getting Connected CSUC Mandatory Convocation and Wildcat Welcome, August 2005.
- Attendant and Faculty Adviser, Robocup U.S. Open, GA Tech Campus, Atlanta, GA, April 2006.

External Reviewer	(Ref: http://www.cise.nsf.gov)	Jan 2002 — present
National Science Foundation (NSF)		Arlington, Virginia, UNITED STATES

Member, Review Panel for various CISE Divisions.

- Jan 31, 2008 – Feb 1, 2008: HCC Review Panel
- Nov 16-18, 2005: SLC Site Visit
- Oct 13-15, 2004: STC Site Visit
- Mar 10-12, 2004: MRI/IDA Review Panel

Principal Investigator	(Ref: http://www.csuchico.edu)	Jan 2004 — May 2004
California State University, Chico		Chico, California, UNITED STATES

CSUC Research Award (Acquiring additional equipment for the Intelligent Systems Laboratory) for operational expenses to acquire items overlooked in an NSF grant award.

Principal Investigator	(Ref: http://www.csuchico.edu)	Aug 2003 — Jul 2007
California State University, Chico		Chico, California, UNITED STATES

Management and direction of a research team to acquire, setup, and deploy robotics equipment for an Intelligent Systems Laboratory that will facilitate the investigation, design, and implementation of control algorithms using "intelligent," non-traditional techniques such as fuzzy logic, neural networks, genetic algorithms, and hybrid (soft computing) approaches to solve complex problems (e.g. autonomous collaboration, search and rescue); awarded \$346,188 from the National Science Foundation's Major Research Instrumentation (MRI) and Research in Undergraduate Institutions (RUI) programs.

Associate Professor	(Ref: http://csci.ecst.csuchico.edu)	Aug 2003 — Jul 2007
California State University, Chico (CSUC)		Chico, California, UNITED STATES

Taught both undergraduate- and graduate-level courses in Computer Science either in a traditional classroom setting or via distance education (both using Blackboard Vista and HorizonLive!/HorizonWimba!) through CSUC's Regional and Continuing Education (RCE); involved in various activities with student organizations and advising graduate-level projects and theses.

- University-level activities:
 - University Technology Advisory Committee (UTAC); Member, Aug 2006 - Jul 2007.
 - Enrollment Management Advisory Committee (EMAC); Member, Aug 2003 - May 2006.
 - College representative to the CSUC Faculty Senate; Senator, Aug 2003 - May 2006.
 - Vice Chair, Faculty and Student Policies (FASP) Committee of the Academic Senate, Aug 2005 - May 2006.
 - Member, Faculty and Student Policies (FASP) Subcommittee on University Student Groups Policy Review, Sep 2005 - May 2006.
 - Chair, Faculty and Student Policies (FASP) Subcommittee on ADA Committee Charge, Mar 2005 - May 2006.
 - Member, Faculty and Student Policies (FASP) Committee, Aug 2003 - May 2005.
 - Faculty Recognition and Support Committee (FRAS); Aug 2005 - May 2007.
 - Chair, Outstanding Professor Award (OPA) Committee; Aug 2006 - May 2007.
 - Member, National Endowment for the Humanities (NEH) Subcommittee; Aug 2005 - May 2006.
 - Member, Outstanding Faculty Service Award (OFSA) Subcommittee; Aug 2005 - May 2006.
 - Center for Excellence in Learning and Teaching (CELT); Member, Advisory Board, Aug 2005 - Jul 2007; Member, Director Search Committee, Sep 2006 - Dec 2006.
 - Enrollment Management, "Getting Connected" program of the Academic Advising Programs; Faculty Mentor, Aug 2003 - Dec 2003.
- College-level activities:
 - OCNL 431 Lab Planning Committee; Aug 2003 - Apr 2005.
- Department-level activities:
 - Associate Chair (to Prof. Ralph Hilzer, Interim Chair); Jan 2006 - May 2007.
 - Faculty Adviser, UPE Honor Society, Aug 2003 - May 2004.
 - Assessment Committee; Member, Aug 2003 - May 2005; Chair Aug 2005 - Jul 2007.

- Distance Learning Committee; Member, Aug 2006 - May 2007.
- Graduate Committee (involved in writing and grading portions of the Comprehensive Core Exam); Member, Aug 2003 - Jul 2007.
- Laboratory Committee; Chair, Aug 2005 - Jul 2007.
- Personnel Committee; Chair, Aug 2005 - May 2006.
- SAP Champion, SAP Labs, Palo Alto, California; foster mutual relationship between CSUC and SAP Labs relative to the master's degree program in computer science, Jan 2002 - May 2005.
- UPE International Honor Society, Faculty Adviser; Aug 2003 - May 2004.
- Courses taught (some with old/new numbers):
 - EECE 090: Algorithms and Programs for Engineers (in C/C++)
 - CSCI 15A/111: Programming and Algorithms I (in Java, and C/C++)
 - CSCI 151/311: Algorithms and Data Structures (in C++)
 - CSCI 320: Computer Architecture (also taught as a distance education course)
 - CSCI 340: Operating Systems Programming
 - CSCI 490: Directed Programming Experience
 - CSCI 323/580: Theory of Artificial Intelligence
 - CSCI 550: Theory of Computing (using JFLAP; also taught as a distance education course)
 - CSCI 224/585: Robotics and Machine Intelligence
 - CSCI 598: Data Mining (using WEKA; also taught as a distance education course)
 - CSCI 380/620: Computer Architecture (also taught as a distance education course)
 - CSCI 329/682: Topics in Artificial Intelligence
 - CSCI 697: Independent Study
 - CSCI 699P: Master's Project
 - CSCI 699T: Master's Thesis

External Reviewer		Jan 2002 — Feb 2002
California Postsecondary Education Commission (CPEC)		Sacramento, California, UNITED STATES
Member, Joint Graduate Review Board, reviewed proposed Doctor of Philosophy degree program in Computational Science (offered jointly by Claremont Graduate University and San Diego State University).		
Principal Investigator	(Ref: http://www.csuchico.edu)	Jan 2002 — May 2002
California State University, Chico		Chico, California, UNITED STATES
CSUC Research Award (Outfitting an Intelligent Controls Laboratory for Teaching Machine Intelligence) for release time to prepare and write an external grant proposal to set up a College robotics laboratory.		
Parent Volunteer	(Ref: http://cnissf.org/)	Sep 2000 — Mar 2007
California Nevada Interscholastic Ski and Snowboard Federation		Lake Tahoe, California, UNITED STATES
Drove Pleasant Valley High School (Chico, CA) student alpine racing athletes to and from practice and race event sites at Lake Tahoe, and to State Championship events at Lake Tahoe, Mammoth Mountains, and Mt. Shasta; performed gate keeping duties at some events; assisted with equipment tuning for races.		
Research Scientist	(Ref: http://www.csuchico.edu)	Mar 1999 — Jul 2001
California State University, Chico		Chico, California, UNITED STATES
\$115,000 grant award from CSUC Research Foundation and Hingorani Power Electronics for "Real-Time Power Systems Simulation;" management and direction of a research team investigating the use of multi-processor DSP modules in simulating HVDC power systems on a PC platform.		
Principal Investigator	(Ref: http://www.csuchico.edu)	Jan 1999 — Jul 1999
California State University, Chico		Chico, California, UNITED STATES
CSUC Research Award (Software Support for an Intelligent Controls Laboratory) for acquisition seed money to set up software support for a proposed Intelligent Control Laboratory (ICL) for the College Mathworks' MATLAB and associated toolboxes (e.g. Fuzzy Logic toolbox, Control Systems toolbox, etc.).		
Co-Investigator	(Ref: http://www.ecst.csuchico.edu)	Aug 1999 — Oct 1999
California State University, Chico		Chico, California, UNITED STATES
Developed a concept paper and proposal, "Recruitment and retention of under-represented students in the College of ECT," presented and submitted to College Industrial Advisory Board.		

Principal Investigator	(Ref: http://www.csuchico.edu)	Mar 1999 — Oct 1999
California State University, Chico		Chico, California, UNITED STATES
CSUC Research Award development of a Sun Microsystems, Inc. Academic Equipment Grant for hardware support for a proposed Intelligent Control Laboratory (ICL) for the College.		
Assistant Professor	(Ref: http://csci.ecst.csuchico.edu)	Aug 1998 — Jul 2003
California State University, Chico (CSUC)		Chico, California, UNITED STATES
(Tenured August 2002.) Taught both undergraduate- and graduate-level courses in Computer Science either in a traditional classroom setting or via distance education (both using Blackboard Vista and HorizonLive!/HorizonWimba!) through CSUC's Regional and Continuing Education (RCE); involved in various activities with student organizations and advising graduate-level projects and theses.		
<ul style="list-style-type: none"> • University-level activities: <ul style="list-style-type: none"> ◦ College representative to the CSUC Faculty Senate; Senator, Aug 2000 - May 2003. <ul style="list-style-type: none"> ▪ Member, Faculty and Student Policies (FASP) Subcommittee on University Student Groups Policy Review, Aug 2000 - May 2003. ◦ Enrollment Management, "Getting Connected" program of the Academic Advising Programs; Faculty Mentor, Aug 2002 - Dec 2002. ◦ Service-Learning Steering Committee; Member, Oct 2000 - May 2002. ◦ University FMI Appeals Committee; Member, Sep 1999 - May 2000. • Department-level activities: <ul style="list-style-type: none"> ◦ Co-Developer and Coordinator, Honors in the Major; Jan 2001 - May 2003. ◦ Faculty Adviser, UPE Honor Society, Sep 1998 - May 2003. ◦ Accreditation Committee; Member, Aug 2001 - May 2002. ◦ Curriculum Committee; Member, Feb 2000 - Jul 2000; Chair, Aug 1999 - Dec 1999; Member, Aug 1998 - May 1999; ◦ Graduate Committee; Member, Aug 2002 - Jul 2003. ◦ Hiring/Search Committee; Member, Sep 2000 - May 2001. ◦ Laboratory Committee; Member, Aug 2000 - May 2002. ◦ Lab Advisory/Hiring Committee, search for a College Unix system administrator; Member, Sep 1998 - May 1999. ◦ ACM Northwest Pacific Region Programming Contest; Volunteer (CSUC site), Nov 1998. ◦ SAP Champion, SAP Labs, Palo Alto, California; foster mutual relationship between CSUC and SAP Labs relative to the master's degree program in computer science, Jan 2002 - Jul 2003. • Courses taught (old course numbers): <ul style="list-style-type: none"> ◦ CSCI 15A: Programming and Algorithms I (in Java, and C/C++) ◦ CSCI 15B: Programming and Algorithms II (in C++) ◦ CSCI 151: Algorithms and Data Structures (in C++) ◦ CSCI 171: Computer Architecture (also taught as a distance education course) ◦ CSCI 152: Operating Systems Programming ◦ CSCI 190: Directed Programming Experience ◦ CSCI/EECE 298: Fuzzy Logic and Control (using MATLAB) ◦ CSCI 256: Theory of Computing (using JFLAP; also taught as a distance education course) ◦ CSCI 223/333: User Interface Design and Implementation (using MS VC++/MFC and Perl/Tk) ◦ CSCI 356: Design and Analysis of Algorithms ◦ CSCI 380: Computer Architecture (also taught as a distance education course) ◦ CSCI 397: Fuzzy Logic (also taught as a distance education course) ◦ CSCI 398: Independent Study ◦ CSCI 399P: Master's Project ◦ CSCI 399T: Master's Thesis 		
Consultant		Sep 1994 — Dec 1994
Signal-Oriented Location and Information Systems (SOLIS)		Myrtle Beach, South Carolina, UNITED STATES
Design and successful implementation of a prototype wireless communication/tracking system using global positioning system (GPS) receivers and Motorola radio packet modems.		
Assistant Professor	(Ref: http://www.coastal.edu/cs)	Aug 1994 — Jul 1998
Coastal Carolina University (CCU)		Conway, South Carolina, UNITED STATES
Department of Computer Science; taught undergraduate courses in Computer Science; faculty adviser for Numbers & Bytes student club; started department website.		

- University-level activities:
 - Core Curriculum Committee; Chair, Sep 1997 - May 1998; Member, Sep 1996 - May 1997.
 - University Web Oversight and Policy Committee; Member, Sep 1997 - May 1998.
 - Steering Committee, First CCU Academic Conference; Member, Feb 1997 - May 1998.
 - Performance Indicators Task Force; Member, Sep 1996 - May 1998.
 - Information Technology Planning Task Force of the Long Range Planning Committee; Member, Sep 1996 - May 1997.
 - Academic Computer Users Committee; Member, Sep 1995 - May 1997.
 - International Programs Committee; Member, Sep 1995 - May 1997.
 - Internet Committee; Member, Sep 1995 - May 1996.
 - Team Coastal Challenge, Annual Fund Raising Campaign; Member, Jan 1997 - Dec 1997; Team Leader, Jan 1996 - Dec 1996; Member, Jan 1995 - Dec 1995.
 - Wellness Committee (Health Nuts Program); Member, Sep 1994 - May 1998.
- College-/Department-level activities:
 - Computer Advisory Committee, Wall School of Business Administration and Computer Science; Member, Aug 1994 - Jul 1998.
 - Webmaster (started department website), Department of Computer Science; May 1995 - Jul 1998.
 - Mathematics Faculty Search Committee, Department of Mathematics; Outside Committee Member, Feb 1996 - Dec 1996.
 - Statistics Faculty Search Committee, Department of Mathematics; Outside Committee Member, Feb 1997 - Mar 1998.
- Courses taught:
 - CSCI 105: Introduction to Computer Applications
 - CSCI 130: Introduction to Computer Science
 - CSCI 140: Introduction to Algorithm Design I (in C and in C++)
 - CSCI 150: Introduction to Algorithm Design II (in C++)
 - CSCI 209: Programming in Java
 - CSCI 310: Computer Architecture
 - CSCI 320: Information Structures (in C and in C++)
 - CSCI 380: Introduction to Analysis of Algorithms
 - CSCI 410: Operating Systems
 - CSCI 420: File Organization and File Processing
 - CSCI 499: Special Topics - Computer Graphics Programming
 - CSCI 499: Special Topics - WWW Programming

Visiting Assistant Professor	(Ref: http://www.unf.edu/ccec/cis)	Aug 1993 — May 1994
University of North Florida (UNF)		Jacksonville, Florida, UNITED STATES
Department of Computer and Information Science; taught undergraduate- and graduate-level courses in Computer Science.		
<ul style="list-style-type: none"> • Courses taught: <ul style="list-style-type: none"> ◦ COP 3530: Data Structures (in C) ◦ COP 3601: Introduction to System Software ◦ CDA 4102/5105: Introduction to Computer Architecture ◦ CAP 4700/5715: Computer Graphics for CS Majors ◦ CIS 6930: Special Topics in Computer Science (Fuzzy Logic and Information Processing) 		
Visiting Lecturer	(Ref: http://www.chs.fsu.edu)	Apr 1993 — Jun 1993
The Florida State University (FSU)		Tallahassee, Florida, UNITED STATES
College of Human Sciences; taught a computer literacy course for Nutrition, Food, and Exercise Science students.		
Graduate Instructor	(Ref: http://www.cs.fsu.edu)	Jan 1992 — Apr 1993
The Florida State University (FSU)		Tallahassee, Florida, UNITED STATES
Department of Computer Science.		
Instructor	(Ref: http://www.cs.fsu.edu)	May 1992 — Jul 1992
The Florida State University (FSU)		Tallahassee, Florida, UNITED STATES
National Science Foundation (NSF) Young Scholar's Program; taught an introductory programming class to gifted high school students.		

Graduate Teaching Assistant	(Ref: http://www.cs.fsu.edu)	Aug 1990 — Dec 1991
The Florida State University (FSU)		Tallahassee, Florida, UNITED STATES
Department of Computer Science.		
Graduate Research Assistant	(Ref: http://www.cs.fsu.edu)	Jan 1988 — Sep 1990
The Florida State University (FSU)		Tallahassee, Florida, UNITED STATES
Department of Computer Science; research work with Dr. Wyllis Bandler on fuzzy relational methods.		
Graduate Teaching Assistant	(Ref: http://www.math.fsu.edu)	Jan 1987 — May 1988
The Florida State University (FSU)		Tallahassee, Florida, UNITED STATES
Department of Mathematics; taught pre-calculus classes to business majors.		
Instructor I	(Ref: http://www.ics.uplb.edu.ph)	Mar 1986 — Aug 1986
University of the Philippines at Los Banos		Los Banos, Laguna, PHILIPPINES
Institute of Computer Science; taught a database class in the summer and introductory computer science courses during the semester.		

Other Experiences

President	(Ref: http://www.buttecountykennelclub.org)	Jan 2010 — Jan 2011
Butte County Kennel Club (f.k.a. Chico Dog Fanciers Association)		Chico, California, UNITED STATES
Club member since 2001.		
Board Member	(Ref: http://www.buttecountykennelclub.org)	Jan 2008 — Dec 2009
Butte County Kennel Club (f.k.a. Chico Dog Fanciers Association)		Chico, California, UNITED STATES
Club member since 2001.		
President		Jan 2007 — May 2008
Keefer Creek Estates HOA		Chico, California, UNITED STATES
Webmaster	(Ref: http://www.buttecountykennelclub.org)	Jan 2006 — present
Butte County Kennel Club		Chico, California, UNITED STATES
Used Joomla to setup and maintain a secure website for a local (non-profit) dog club.		
Vice President		Jan 2006 — Dec 2006
Keefer Creek Estates HOA		Chico, California, UNITED STATES
Founder and Co-Owner		Jul 2004 — Apr 2009
IntellAgent Software Solutions		Chico, California, UNITED STATES
Set up a limited company to provide a variety of computing consultancy services for small businesses in Chico, CA; developed websites for some family-owned businesses; managed development and deployment of a web-based alpine racing events package (manages teams, keeps track of points and various statistics, etc.) that works with Split Second Timing (www.live-timing.com).		
Co-Owner and Webmaster	(Ref: http://www.vooduboxers.com)	Jan 2003 — present
Voodoo Boxers		Chico, California, UNITED STATES
Breeding quality pure-bred boxers for show/competition and family companions.		

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