Name

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Education

Advance Study in Computer Science, Old Dominion University, Norfolk, VA 1992-1999
M.S. in Computer Science, University of Iowa, Iowa City, IA 1978-1980;
B.A. in Mathematics, National Taiwan Normal University, Taipei, Taiwan, 1971 - 1975

Short Coursed and Workshops (last 5 years only)

- "Certified Online Instructor Course", Dec 9-13, 2013, LERN, online
- "Quality Matters Peer Review Work", Nov 9, 2013, NSU, VA
- "The Basic of Using Adobe Acrobat Pro", Oct 28, 2013, NSU, Norfolk, VA
- "WISE - Women's Institute in Summer Enrichment", June 19-22, 2012, UC Berkley, Berkley CA
- "5th Symposium on Curriculum Development in Security and Information Assurance (CDSIA 2012)" May 11, 2012, San Jose State University, CA
- "SIGCSE 2012 Conference", Feb 29-Mar 03, 2012, Raleigh, NC
- "AP CS Principles and the Beauty and Joy of Computing Curriculum", SIGCSE 2012, Mar 01, 2012, Raleigh, NC
- "Engage Your Student by Teaching Programming Using Only Mobile Devices with TouchDevelop", SIGCSE 2012, Mar 3, 2012, Raleigh, NC
- "Services for Online Learning: Re-Tooling to Meet Student Needs", September 29, 2010, McDemmond Center VCC, Norfolk, NSU
- "Return To Title IV Tutorial, Class Attendance and Withdrawal Procedures", Aug 26, 2010, Office of the Registrar Financial Aid Office
- "2010 CSET summer Research Symposium", 07/22/2010, NSU, Norfolk, VA
- "SST Faculty Development Workshop", May 11-14, 2010, NSU, Norfolk, VA
- "MSIRPC(Minority Serving Institutions Research Partnerships Consortium) Conference 2010", April 14-17, 2010, Morgan State University, Baltimore, MD
- "PHIT– Prentice Hall Information Technology, Symposium for Educators", March 20, 2010, Old Dominion University, Norfolk, VA
- "6th Annual CSET Student Poster Session", September, 15, 2009, NSU, Norfolk, VA
- "LSAMP Undergraduate Research Symposium", July, 20-21, 2009, Hampton University, Hampton, VA
- "PHIT– Prentice Hall Information Technology, Symposium for Educators" - March 20, 2009, Old Dominion University, Norfolk, VA

Experiences

1988 - Present, Instructor, Department of Computer Science, Norfolk State University, Norfolk, VA
1986 - 1988, Senior System Engineer, Christian Broadcasting Network, Inc., Virginia Beach, VA
1984 - 1986, System Engineer, Eastern Computer, Inc., Virginia Beach, VA
1984 - Summer, Instructor, Department of Computer Science, Old Dominion University, Norfolk, VA
1980 - 1983, System Manager, CAD Laboratory, University of Iowa, Iowa City, IA
1978 - 1980, Teaching Assistant, Department of Computer Science, University of Iowa, Iowa City, IA
1975 - 1978, High School Mathematics Teacher, Taiwan, Republic of China

Professional Societies/Honors

Member of IEEE (Institute of Electrical and Electronics Engineers) (#21321026)
Member of ACM (Association for Computing Machinery) (#9482662)

Publication/Presentations

<u>**Journal/Preceedings**</u>

- Michaeli, j., Hou, G., Hu, X., Hou, M., "Initial Assessment of Analytic Hierarchy Process to Teach Innovation and Creativity in Design and Engineering", the Proceedings of 121st ASEE annual Conference & Expositon, Paper No. 10497. June 15-18, 2014
- Hsu, W., Guo, H., Hou, M. and Chen, C., "System Integration and Computer Vision Design for Autonomous Surface Vehicle", Journal of Mechatronics, Vol. 1, pp. 1-8, 2013.
- Ren, Z., Liu, H., Dang, X., Zhang, S., Blackburn, D., Hou, M., "Understanding Pre-service Teachers' Epistemological Beliefs across Domains", SITE2009 (Society for Information Technology and Teacher Education), Charleston, SC, March 2 - 6, 2009, pp. 2338-2346
- Liu. L, Sun, J, Hou, M, "Salary Trends of IT Staff", the Proceedings of the SWDSI (Southwest Decision Sciences Institute) 2008 conference, Oklahoma City, Oklahoma. February 24-28, 2009, pp 99-101
- Tanuku, S.,Hou, M., Hou, G.,"Stochastic Optimization Formulations For Structure Design", the Preceddings of the SWDSI (Southwest Decision Sciences Institute) 2008 conference, Houston, TX, March 4, 2008
- Hou, M., Austin, T., "Use of A CSCL Tool in Java Applications Programming: A Case Study ", The 45th ACM Southeast Conference, Winston-Salem, NC, March 23-24, 2007, pp 122-125
- Hou, M., "Gender Difference in Java Online Learning in a Historical Black College and University", the 13th ACME Conference, Seattle, WA, July 31 – August 2, 2003, pp 843
- Hou, M., "Experience on Web-based Laboratories for Two Computer Science Courses in a Historically Black College and University", the 19th ISECON Conference, San Antonio, TX, October 31 - November 3, 2002, pp.351

<u>**Paper Presentations**</u>

- Michaeli, M., Hou, M., "Analytic Hierarchy Process (AHP) for Teaching Innovation and Creativity in Design and Engineering", Design Conference, 2014, Vancouver, Canada, Jan 15-19, 2014
- Guo, H., Hou, M., Huang, C., "computer Vision for Outdoor Color Detection and Distance Estimation", The 4th International Forum on Systems and Mechatronics, Virginia Beach, VA, August 6-9, 2012
- Hou, M., Guo, H., Miller, J.,Shen, Y., Hou, G., "Virtual Testing Environment for Path Planning and Tracking of Autonomous Surface Vehicles", The 4th International Forum on Systems and Mechatronics, Virginia Beach, VA, August 6-9, 2012
- Hou, M., Chen, D., "Successful CS1 Experiences by Enhancing Student's Computational Thinking Skill through Test Case Development Practices", The 5th Science Symposium, Norfolk, VA, March 13-14, 2012

<u>**Senior Student Projects Supervision (the recent 5 years)**</u>

- "The Good The Bad & The Ugly, Web Design Principles In A 3-Tier Web Architecture" by Darryl Clark (Fall 2014)
- "Unmanned Vehicle System and Virtual Environment" by John Rose (Fall 2014)
- "A Dish Name Augmented Reality" by John Rose, (Summer 2011)
- "Apple iOS Game Application" by Carlos Luna and Laci Sears (Fall 2013)

- "3D Imaging of Norfolk State University Campus" by Baffour Toku (Fall 2013)
- "Sport Chase" by Antonio Moore (Spring 2013)
- "A Case Study of Website Design" by Antonio Givens, Michael Wells (Spring 2012)
- "Visualization of the Light-Rail : Before & After" by Fred Wadley, Lafayette Brown (Fall 2011)
- Hope, E., "How to create a Self-Diagnostic Application using Java in Android SDK with the Integrated Developing Environment Software Eclipse" by Hope Epps (Summer 2011)
- "Demonstrating Atherosclerosis" by Brain McClananhan (Summer 2010)
- "Women in Computer Science: Taking a Multimedia Approach" by LaToya Rich (Summer 2010)

Academic Experiences

- 2014 -
- 2006 – 2012 – AP Computer Science Exam Reading Table Leader
- 2006 – Present – AP Computer Science Exam development team
- 1999 – Present - AP Computer Science Reader