

Raymond A. Hansen

██████████ | 39 Evans Road, Marblehead, MA 01945

Educational Background:

Purdue University – MS (Network Engineering & IT Leadership), 2006

Purdue University – BS (Telecommunications & Networking Technology), 2004

Purdue University – AS (Computer Technology), 2002

Appointments and Positions:

- 05/21 – Present Associate Dean, School of Computing & Data Science, Wentworth Institute of Technology (Boston, Massachusetts)
- 11/20 – 05/21 Interim Associate Dean, School of Computing & Data Science, Wentworth Institute of Technology (Boston, Massachusetts)
- Manage the daily operations of all academic affairs functions within the School for 34 faculty, ~40 adjunct faculty, ~750 students, with a \$7.2M operating budget
 - Oversee the design, construction, and outfitting of new Cybersecurity, High-Performance Computing, Embedded AI, and Robotics laboratories: ~\$3,100,000
 - Established articulation agreements with community colleges to provide a partnership and pathway to degrees for students in Cybersecurity, Data Science, Computer Science, Information Technology, and Applied Mathematics
 - Seeking Center of Academic Excellence designation from the National Security Agency for B.S. Cybersecurity and M.S. Cybersecurity Analytics programs
- 01/17 – Present Associate Professor of Cybersecurity, Department of Computer Science & Networking, Wentworth Institute of Technology (Boston, Massachusetts)
- Chaired the committee to design, develop, and create the Cybersecurity undergraduate degree
 - Served as the graduate coordinator for M.S. Applied Computer Science program, including admissions, advising, and scheduling courses for all graduate students
 - Taught cybersecurity courses for the Cybersecurity, Computer Networking, and Computer Science programs, including Network Security, Digital & Network Forensics, and Applied Cryptography using the experiential learning model where students are actively involved in hands-on projects that directly relate to course topics
- 07/16 – 12/16 Clinical Associate Professor, Department of Computer & Information Technology, Purdue University (West Lafayette, Indiana)
- 08/08 – 06/16 Clinical Assistant Professor, Department of Computer & Information Technology, Purdue University (West Lafayette, Indiana)
- Delivered courses in the Network Engineering Technology, Information Technology, and Digital Forensics programs to students ranging from freshman to PhD on topics including IT Architectures, Internetwork Design, and Network Forensics
 - Developed the department's first undergraduate study abroad program (Peru) and first graduate study abroad (Norway)

- Managed, maintained, and budgeted for the network infrastructure for all departmental labs (11) with regular refresh cycles for PCs and servers: ~\$150,000 every 3 years.
- Won the Department of Computer and Information Technology Outstanding Faculty in Learning award (2013, 2014, 2016), and the College of Technology Outstanding Faculty in Learning award (2016) as the student-selected best teacher

- 06/05 – 12/08 Senior Research Engineer, Broadband Antenna Aiming Systems, Inc.
- Developed software to search, acquire, and optimize specific wireless signals for antenna systems using a variety of different RF radio standards (IEEE 802.11a/b/g, Motorola Canopy, Symbol Systems Bridge, etc.)
 - Evaluated different high-gain antennae types for usage in varied usage and implementation scenarios
- 07/04 – 08/06 Teaching/Research Assistant, Purdue University (West Lafayette, Indiana)
- Managed all laboratory sections and resources for CNIT346 Wireless Networks and CNIT446 Advanced Wireless Networks
 - Worked in a team of 4 to manage ~250 PCs and servers, 75 routers and switches, and 20 wireless access points for ~10 different courses, in 6 locations
- 02/01 – 01/03 Network & Systems Analyst, Martin’s Super Markets (South Bend, Indiana)
- Responsible for Tier 1 and Tier 2 support to 20+ locations for server and PC OSes, applications, hardware, as well as other store systems
 - Developed a network monitoring application to track network performance and alert personnel of outages in order to triage events for rapid return to operations
 - Designed and implemented McAfee ePO anti-malware system throughout all company locations for Microsoft platforms, and crafted digital policies for malware mitigation

Special Appointments

- 06/15 Visiting Researcher, University of Stavanger (Stavanger, Norway)
- 11/14 – 12/16 Faculty, Center for Education and Research in Information Assurance and Security (CERIAS), Purdue University (West Lafayette, Indiana)

Volunteer and Service Positions

- 08/21 – Present IT Committee, Boson Yacht Club (Marblehead, Massachusetts)
- 03/09 – 6/21 Board of Directors, Information & Telecommunications Education and Research Association (ITERA) (Murray, Kentucky)
- 03/20 – 06/21 President
 - 03/13 – 04/16 President
 - 09/11 – 03/13 Vice-President

Patents:

USPTO Patent Number 9,246,207: Smith, A.H., Bentley, L.D., Kane, M.D., and Hansen, R.A. *Antenna Aiming System and Method for Broadband Wireless Access.*