

Christopher Horn

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Education

Brown University - Providence, Rhode Island
2001: Bachelor of Arts, Economics

Carnegie Mellon University - Pittsburgh, Pennsylvania
2008 (expected): Master of Human-Computer Interaction

Professional Experience

July 2006 – Present Adjunct Research Programmer, RAND Corporation
C4ISR modeling, simulation, and analysis

September 2005 – June 2006 Consultant, Arcadia Solutions, LLC.
Sales compensation optimization, technology consulting

January 2004 – August 2005 Research Programmer, RAND Corporation
C4ISR, grid computing, Army organization analysis

August 2003 – January 2004 Senior Staff, Mitretek Systems.
Biometrics, privacy, passport systems

June 2001 – July 2003 Research Assistant, RAND Corporation.
Health economics, C4ISR, biometrics, grid computing

May 2000 – May 2001 Research Assistant, Brown University Department of Economics,
with Professor Louis Putterman.
Human cooperation, communication, experimental economics

Summer 1999 Research assistant, Atmospheric Sciences Research Center (ASRC) at
January 1999 the Research Foundation of the State University of New York at Albany,
Summer 1998 with Research Associate Professor James Schwab.
Air quality monitoring, inter-governmental data exchange

Publications

Book Chapters

Valorie S. Valencia, Ph.D. with Christopher Horn. "Biometrics Liveness Testing" in Biometrics. Berkeley, CA: Osborne McGraw Hill, 2003.

Articles

John D. Woodward, Jr., Christopher Horn, Julius Gatune and Aryn Thomas. "Biometrics: A Look at Facial Recognition," RAND DB-396-PSJ, Aug 2002.

John D. Woodward, Jr. and Christopher Horn. "Biometrics for Lawyers," Privacy & Security Law. Vol. 1, No. 18 (May 2002): 557-561.

Papers

Gonzales, D, Horn, C, Alkire, B, and Moore, L. "Analysis Methods for Assessing the Utility of Space Radar for Future Army Forces," RAND DRR-3465-A, Forthcoming.

Gonzales, D, Moore, L, Pernin, C, Uy, R, Sullivan, T, Matonick, D, Dreyer, P and Horn, C. "Measuring the Impact of C4ISR on Ground Force Mission Effectiveness," RAND AB-641-OSD, Forthcoming.

Gonzales, D, Horn, C and Sullivan, T. "Grid Computing at RAND," RAND DRR-3153-RC, Forthcoming.

Gonzales, D, Moore, L, Menthe, L, Elrick, P, Horn, C, Pernin, C, Tseng, M and Houser, A. "Measuring Essential Communications, Fusion, Intelligence, Surveillance, and Reconnaissance Characteristics of the Army Future Combat Systems (FCS) Milestone B," RAND MG-266-A, Dec 2004.

Gonzales, D, Moore, L, Menthe, L, Elrick, P, Horn, C, Tseng, M and Houser, A. "Applying New Analysis Methods to Army Future Force C3-ISR Issues: Focus on Future Combat System (FCS) Milestone B," RAND DRR-3217-A, May 2004.

Harris, Carol, Nadel, Lawrence D., Ph.D., Nichols, Linda Jones, D.Sc. and Horn, Christopher. Impact of Biometrically Encoded Driver Licenses on Law Enforcement. Mitretek Systems, Dec 2003. Contract Number: 2001-LT-BX-K002 Project Number: 0401355B

Horn, Christopher and D'Amato, Donald P. "JPEG 2000 Investigation Findings," Mitretek Systems, December 2003. Contract Number: S-OPRAQ-98-D-0029 Delivery Order: S-LMAQM-03-F-3952

Horn, Christopher and D'Amato, Donald P. "Report on Activities at the M1-Biometrics Meeting 18-22 August 2003," Mitretek Systems, October 2003. Contract Number: S-OPRAQ-98-D-0029 Delivery Order: S-LMAQM-03-F-3074

Horn, Christopher and D'Amato, Donald P. "Final Report on Image Quality Management for Passport Color Images (Deliverable h)," Mitretek Systems, September 2003. Contract Number: S-OPRAQ-98-D-0029 Delivery Order: SLMAQM-01-F-4503

Horn, Christopher and D'Amato, Donald P. "Report on Potential Upgrades to the PhotoDigitization Scanners and Printers (Deliverable f)," Mitretek Systems, September 2003. Contract Number: S-OPRAQ-98-D-0029 Delivery Order: SLMAQM-01-F-4503

Gonzales, D, Moore, L, Elrick, P, Menthe, L, Pernin, C, Sullivan, T and Horn, C. "New Approaches to Communications Network and Intelligence, Surveillance, and Reconnaissance Analysis," RAND AB-662-A, Jun 2003.

Woodward, J, Horn, C and Tseng, M. "RAND Comments on the Department of Defense Enterprise Biometrics Concept of Operations, (CONOPS), Version 0.3," RAND PM-1426-A, Jan 2003.

Woodward, J, Gabriele, M, Webb, K and Horn, C. "Review of Department of Defense & Federal Biometric System Protection Profile for Medium Robustness Environments," RAND PM-1343-A, Jul 2002.

John D. Woodward, Jr. Mark Gabriele, Katharine W. Webb and Christopher Horn. "Review of Department of Defense & Federal Biometric System Protection Profile for Medium Robustness Environments," RAND PM-1343-A, Jun 2002.

John Ausink, Robert Clemence, Robert Howe, Sheila Murray, Chris Horn and John Winkler. Workforce Planning for the Information Technology Field. Santa Monica, CA: RAND, Mar 2002.

Michael Schoenbaum, Katherine Harris, Gary Cecchine, Ana Suarez, Chris Horn and C. Ross Anthony. Final Evaluation Report for the TRICARE Senior Supplement Demonstration Program. Santa Monica, CA: RAND, Mar 2002.

John D. Woodward, Jr., Christopher Horn. "Facial Recognition for Identifying Terrorist Threats (FRITT)," RAND PM-1264-A, Oct 2001.

John D. Woodward, Jr., Christopher Horn. "Focus Group Contribution: Biometrics for Surveillance and Detection," RAND PM-1266-A, Oct 2001.

Christopher Horn, Brent Bell, John D. Woodward, Jr., Katharine W. Webb, Brian Jackson and Kristina Larson. "Review of Testing and Evaluation Documents Related to Biometrics," RAND PM-1214, Jul 2001.

Presentations

“Grid Computing at RAND: An Introduction to the Technology and Survey of Potential Demand,” RAND Corporation, Santa Monica, California, June 29, 2005.

“Emerging Imaging Technologies and Standards: JPEG 2000,” Department of State Image Quality Improvement Program (IQIP) Conference, Falls Church, Virginia, December 3, 2003.

Skills

Clear writing and presentation, building group consensus, highly computer proficient, strong analytic ability, careful organization and documentation of work, quick to learn and understand.

OS: Windows NT/2000/XP, Linux, Mac OS 9 & 10, some Solaris, some BSD

Software: MS Office, Perl, Stata, SQL, some S-plus, Adobe Illustrator, many others

Interests

Fine woodworking, competitive league Ultimate Frisbee, photography, Piano (12 years), French horn (10 years), computers, music, photography, hiking, and the outdoors.