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Saint Louis University College for Public Health and Social Justice
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EDUCATION

INSTITUTE	SUBJECT	DEGREE	YEAR
Pitzer College	Mathematics	BA	1980
Claremont Graduate School	Applied Mathematics	MA	1980
University of Colorado	Telecommunications	ME	1995
Harvard University	Computer Science	MS	1998
Harvard University	Computer Science	Ph.D.	2001
MBL/NLM - Marine Biological Laboratory	BioMedical Informatics	Course Fellow	20011 Fall

PROFESSIONAL EXPERIENCE

ORGANIZATION	JOB DESCRIPTION	LOCATION	YEAR
Hewlett Packard	Software Engineer	Silicon Valley, Calif.	1980-1981
Vitel International	Software Engineer, Network Designer, Network Manager	Boulder CO.	1981 - 1995
Harvard University	Research & Teaching Assistant	Cambridge, MA.	1995 - 2001
Boston University	Assistant Professor of Information Systems	Boston, MA.	2001 - 2009

CAHIIM	Peer Reviewer for Health Informatics	Chicago, IL	2017-

P

2. Sarnikar, S., Bennett, D., Gaynor, M. (2012).
                                    : IGI Global.

Blogs:
1. Gaynor, M., Lenert, L., Wilson, K., and Bradner S. (2014). Its hard to be neutral about network neutrality for health care, Health Affairs Blog.
2. Gaynor, M., Lenert, L., Wilson, K., and Bradner S. (2017). Telecommunication Policies May Have Unintended Health Care Consequences, Health Affairs Blog.

Journal Papers:

1. Gaynor M, Gillespie K, Roe A, Crannage E, Tuttle-Newhall JE. Blockchain Applications in the Pharmaceutical Industry. Blockchain Healthc Today. 2024 Apr 30;7. doi: 10.30953/bhty.v7.298. PMID: 38715760; PMCID: PMC11073477.

2. Lagebo, Birkinesh; Gaynor, Mark Prof.; and Assefa, Temtim Dr., Inclusive Entrepreneurship in Handling Competing Institutional Logics for DHIS2 Adoption In Ehhiopian Public Health Care Context, International Journal of Managing Information Technology, Vol 14, No. 4, Nov 2022

3. Lagebo, Birkinesh; Gaynor, Mark Prof.; and Assefa, Temtim Dr., Exploring Institutional Logics to Dynamic Ambidexterity in Health Information System Implementation in the public health sector of Ethiopia, The Electronic Journal of Information Systems in Developing Countries, 2022

4. Gaynor, M., BeLue, R., Tuttle-Newhall, J., Martin, M., Patejdl F., Vogt, C., Blockchain in Population Health, Oxford Journal of Public Health – 2022.

5. Gaynor, M., Newhall, J., Parker, J., Patel, A., & Tang, C. (2020). Adoption of Blockchain in Health Care.   (9), e17423. doi:10.2196/17423

6. Gaynor, M., Schneider, D., Seltzer, M., Crannage, E., Barron, M. L., Waterman, J., & Oberle, A. (2020). A user-centered, learning asthma smartphone application for patients and providers.   (3), e10217. doi:10.1002/lrh2.10217

7. Gaynor, M., Newhall, J., Parker, J., Patel, A., & Tang, C. (2020). Adoption of Blockchain in Health Care.   (9), e17423. doi:10.2196/17423

8. Gaynor, M., Omer, T., and Turner, J., Teaching Security and Encryption with Simulation for Non-Technical Healthcare Professionals, (Accepted Summer 2016), International Journal of Privacy and Health Information Management (IJPHIM), IGI Global.

9. Gaynor, M., Waterman, J., Design framework for sensors and RFID tags with healthcare applications,

10. Gaynor, M, Omer, T, and Turner, J. (Accepted Aug. 2015). Teaching Technical Data Security with Simulation for Healthcare Professionals,
            , Accepted Aug, 2015.

11. Gaynor, M., Bass C., and Duepner, B. (2014). A Tale of Two Standards.   .

12. Gaynor, M., Lenert, L., Wilson, K. D., & Bradner, S. (2014). Why common carrier and network neutrality principles apply to the Nationwide Health Information Network (NWHIN).   (1), 2-7.
doi: 10.1136/amiajnl-2013-001719

13. Gaynor, M., Yu, F., Andrus, C., Bradner, S., Rawn, J. (2013). A General Framework for Interoperability with Applications to Healthcare.   (1), 3-12.

14. Herzlinger, Regina, Seltzer, Margo, and Gaynor, Mark. (2013). Applying KISS to Health Care Information Technology.   (11), 72-74.

15. Andrus, C., and Gaynor, M. (2013). Successful HIT Requires Inter-team Communications.   (4).

16. Gaynor, M. and LeRouge C. (2011). Persuasive Smart Phone Applications of Healthcare.
            .

17. Gaynor, M., LeRouge, C., and Jiao, M. (2011). A China-secified Multi-level technical Infrastructure for Diabetes.

11. Gaynor, M., S. Moulton, and D. Myung. (2007).
        . Paper presented at the HICSS.

12. Manjanatha, Sowmya, A. Bestavros, M. Gaynor, and S. Moulton. (2007).
                                . Paper presented at the Workshop on High
    Confidence Medical Device Software and Systems (HCMDSS).

13. Gaynor, M., S. Moulton, and R. Messer. (2006, May).
            Paper presented at the Proceedings of the third International ISCRAM Conference,
    NJ.

14. Baird, S., S. Dawson, D. Myung, M. Gaynor, M. Welsh, and S. Moulton. (2006).
                                        . Paper
    presented at the IEEE Workshop on Body Sensor Networks.

15. Hashmi, N., D. Myung, M. Gaynor, V. Kudesia, W. Tollefsen, D. Winkler, S. Ganesan, D.
    Corwin, and S. Moulton. (2006).   Paper presented at
    the Proceedings of AICCSA.

16. Gaynor, M., M. Seltzer, S. Moulton, and J. Freedman. (2005, June).
                                        Paper presented at the
    Proceedings of the International Conference on Computational Science.

17. Hashmi, N., D. Myung, M. Gaynor, and S. Moulton. (2005).
                                    Paper presented at the Proceedings of the
    Mobile Systems, Applications, and Services.

18. Gaynor, M., S. Moulton, M. Welsh, A. Rowan, E. LaCombe, and J. Wynne. (2004).
                                . Paper presented at the AMCIS

19. Shankar, Ganesan, and M. Gaynor. (2004).
                            . Paper presented at the AMCIS

20. Tollefsen, W., D. Myung, M. Gaynor, and S. Moulton. (2004).
            . Paper presented at the AMCIS

21. Gaynor, M., L. McKnight, J. Hwang, and J. F(ppl)-2 (i (ynor)3 (, M).R, A)2   Tf1.5 , ceedings of td--2 (w)-(t

23. McKnight, L., and Gaynor, M. (2003b).
Paper presented at the Global Grid Forum (GGF8).

24. Gaynor, M., and S. Bradner. (2001). . Paper
presented at the Proc. of HICSS

25. Gaynor, M., S. Bradner, M. Iansiti, and H. T. Kung. (2001).
. Paper presented at the Proc. 2nd IEEE
conference on Standardization and Innovation, Boulder, CO.

26. Gaynor, M., B. Karp,. and H. T. Kung. (1998). .
Paper presented at the Summer Computer Simulation Conference.

Industry working drafts:

1. McKnight, L., and Gaynor, M. (2003). Implications for inter-system mobility management of wireless grid networks and virtual markets for sharing resources in dynamic ad-hoc environments. In ITU-T Special Study Group (SSG) Working Group Q.2/SSG (Ed.).

2. Sander, V., and Gaynor, M. (2003). Draft for Grid High Performance Networking Work group.

3. Gaynor, M. and Bradner, S. (2001). Firewall Enhancement protocol (FEP), IETF RFC 3093. In Internet Engineering Task Force (Ed.).

White Papers:

1. Lippis, Nickolas, and M. Gaynor. (2004). IP Telephony Cost of Ownership: Sponsored by 3Com Corporation

Posters:

1. Gaynor, M., Seltzer, M. and Schneider, D. (2013).
Paper presented at the AMIA, Washington DC.
2. Gaynor, M. and Wyner, G. (2010).
Paper presented at the 20th Workshop on Information Technology and Systems, (WITS 2010), Saint Louis.
3. Gaynor, M. (2010a). Paper presented at the 20th Workshop on Information Technology and Systems, (WITS 2010).

4. Gaynor, M. (2010b). Paper presented at the 20th Workshop on Information Technology and Systems, (WITS 2010), St. Louis.

5. Gaynor, M., Buskirk, T. (2010).

5. Gaynor, M. (2013b).   Paper presented at the Bio-IT
    World, Boston.

6. Gaynor, M. (2011a).   Paper presented at the
    AUPHA undergrad workshop in teaching.

7. Gaynor, M. (2011b).   Paper
    presented at the AMIA, Washington DC.

8. Gaynor, Mark. (2005).   Paper presented at the
    International workshop for medical sensors - sponsored by Reed Business Group,, Paris,
    France.

9. Gaynor, M., and S. Bradner. (2004). A real options metric to evaluate network, protocol, and
    service architecture.   .

10. Gaynor, Mark. Opensig - Programming the Internet. In
    http://www.developer.intel.com/design/ixa/opensig (Ed.), (pp. Presented talk on panel about
    End2end Argument & Programming the Internet). Napa Valley, CA.

11. Gaynor, Mark. (2000). The Policy Implications of End-to-End. In
    http://www.law.stanford.edu/e2e (Ed.), (pp. Presented in Panel on open access for Cable).
    Stanford Law School.

12. Gaynor, Mark. (2000). International Conference on Complex Systems. In
    http://www.eecs.harvard.edu/~gaynor/complexity.ppt (Ed.), (pp. Presented talk in Business
    Track). Nashua, NH

Research Grants for Mark Gaynor

1. Big Idea Grant Group – Gaynor, M. (PI) $50,000
2. Gaynor, M. (PI). (2011b). Presidential Award for Asthma project (Vol. 25,000).

3. Gaynor, M. (PI). (2011). Health Information Techology course development for
    Privacy/Security, Technology, and Standards (Vol. 15,000): AUPHA.

4. Crossin, J. (PI) and Gaynor, M. (Co-PI). (2009). Integration of iRevive with the Lightweight
    Trauma Module (Vol. 600,000): National Space Biomedical Research Institute/NASA.

5. Buskirk, T. (PI) and Gaynor, M. (Co-PI). (2009). Presidential Award for Smart Phone
    Application Research (Vol. 25,000): Saint Louis University.

6. Gaynor, M. , (PI). (2005). SGER: The CapWIN project - Deployment of Dynamic Collaborative Sensor Networks (Vol. 50,000): NSF IIS-0529798.

7. Moulton, S. (PI) and Gaynor, M. (Co-