

Yin Aphinyanaphongs

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Work Address:

Center for Health Informatics
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Education

Vanderbilt University, Nashville, Tennessee
Medical Doctorate, May 2010.

Vanderbilt University, Nashville, Tennessee
Doctor of Philosophy in Biomedical Informatics, May 2009.

Vanderbilt University, Nashville, Tennessee
Master of Science in Biomedical Informatics, May 2004.
Thesis: Text Categorization for Retrieval of High Quality Articles in Internal Medicine.

Rensselaer Polytechnic Institute, Troy, New York
Master of Science in Electrical Engineering, Signal Processing Focus, May 1994 - Aug 1999.
Thesis: Deconvolution for Improved Resolution of Scanning Laser Ophthalmoscope Imagery.

Rensselaer Polytechnic Institute, Troy, New York
Bachelor of Science in Biomedical Engineering, Electrical Concentration, May 1994 - Aug 1999.

Work Experience

New York University, New York, NY, February 2010 - Present
Assistant Professor, Center for Health Informatics and Bioinformatics

- Director – Evidence Based Medicine and Scientometrics Lab

PerkinElmer Optoelectronics., Santa Clara, California, January 2000 – July 2000
Test Engineer/ Systems Administrator

- Tested flat panel digital detector panels for quality assurance.
- Engineered automated data collection system utilizing an ACCESS backend.
- Developed decision support systems to improve resource allocation for flat panel production.
- Supported and expanded testing software written in C and PERL.
- Administered two Unix servers and ten workstations.

GE Medical Systems., Santa Clara, California, November 1999 – December 1999
Test Engineer/Junior Researcher

- Tested flat panel digital detector panels for quality assurance.
- Tasked to design and develop a new test method for panel degradation using a CCD camera.

- Developed in-house engineering software programs.

AutoQuant Imaging, Inc., Watervliet, New York, August 1995 – August 1999

Programmer/ Research Engineer

- Designed and programmed imaging software packages under Windows NT and 98.
- Developed a solution for enhancing resolution of scanning laser ophthalmoscope imagery.
- Administered web site.
- Edited software manual.
- <http://www.aqi.com> for additional information.

Publications

Biomedical Informatics/ Information Retrieval:

- Add publication for IMIA review.
- **Aphinyanaphongs, Y**, Jerome, R, Aliferis C. "Formative Comparative Evaluation of Traditional and Recent Quality-Content Filters for Answering Clinical Questions with MEDLINE." Medical Library Association Annual Meeting and Exhibition 2007, Philadelphia, PA.
- **Aphinyanaphongs, Y**, Aliferis C. "Text Categorization Models for Identifying Unproven Cancer Treatments on the Web." In: Medinfo 2007; Sydney, Australia.
- Fu L, Wang L, **Aphinyanaphongs Y**, Aliferis C. "A Comparison of Impact Factor, Clinical Query Filters, and Pattern Recognition Query Filters in Terms of Sensitivity to Topic." In: Medinfo 2007; Sydney, Australia.
- **Aphinyanaphongs Y**, Aliferis C. "Prospective Validation of Text Categorization Filters for Identifying High Quality, Content-Specific Articles in MEDLINE." In: Proceedings AMIA Symposium; 2006; Washington DC.
- **Aphinyanaphongs Y**, Statnikov A, Aliferis C. "A Comparison of Citation Metrics to Machine Learning Filters for the Identification of High Quality MEDLINE Documents." J American Medical Informatics Association. 2006; 13 (4): 446- 455.
- Bernstam E, Herskovic J, **Aphinyanaphongs Y**, Aliferis C. "Using Citation Data to Improve Retrieval from MEDLINE." J American Medical Informatics Association. 2006; 13 (1): 96-105.
- Bernstam E, Strasberg H, Haynes B, **Aphinyanaphongs Y**. "Clinical Knowledge: Moving Beyond Relevance to Importance." Panelist. In: Proceedings AMIA Symposium; 2005; Washington DC.
- **Aphinyanaphongs Y**, Statnikov A, Tsamardinos I, Hardin D, Aliferis, C. "Text Categorization Models for High Quality Article Retrieval in Internal Medicine." J American Medical Informatics Association. 2005; 12 (2): 207-216.
- **Aphinyanaphongs Y**, Aliferis C. "Learning Boolean Queries for Article Quality Filtering." In: MEDINFO; 2004; San Francisco, CA; 2004.
- **Aphinyanaphongs Y**, Aliferis C. "Text Categorization Models for Retrieval of High Quality Articles in Internal Medicine." In: Proceedings AMIA Symposium; 2003; Washington DC; 2003.

Electrical Engineering:

- O'Connor N, **Aphinyanaphongs Y**, Zinser G, Bartsch DU, Freeman W, Flanagan J, Hutchins N, Hudson C, Holmes T. "Computational resolving power improvement for the scanning laser ophthalmoscope." Invest Ophthalmol Vis Sci 1999;40:S123.

Reviewer Service

Journal of the American Medical Informatics Association
AMIA Fall Conference: papers reviewer – 2010(5), 2011(2)
International Journal of Medical Informatics – 2011(1).

Honors and Awards

- Donald Lindberg Fellowship awarded in 2005. (Fellowship awarded annually with a \$25,000 grant award).
- First place in the *Student Paper Competition* at the 2003 AMIA Symposium.

Professional Societies

- AMIA (American Medical Informatics Association) – 2003-Present
- MLA (Medical Library Association) – 2005 - 2007

Citizenship

United States Citizen