

Lawrence Fu
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EDUCATION

- Vanderbilt University, Nashville, TN*
Ph.D. in Biomedical Informatics **2008**
Thesis: "Improving Biomedical Information Retrieval Citation Metrics Using Machine Learning"
Research Interests: Machine Learning, Information Retrieval, Healthcare Informatics
Advisor: Dr. Constantin Aliferis
- Vanderbilt University, Nashville, TN*
M.S. in Biomedical Informatics **2005**
Thesis: "A Comparison of State-of-the-Art Algorithms for Learning Bayesian Network Structure from Continuous Data"
Advisor: Dr. Ioannis Tsamardinos
- Princeton University, Princeton, NJ*
B.S.E. in Computer Science **2002**

PROFESSIONAL EXPERIENCE

- NYU Langone Medical Center, Department of Medicine*
Assistant Professor (Research) **2009-present**
Co-Director of the EBM Information Retrieval and Scientometrics Laboratory (EIRSL) as part of the Center for Health Informatics and Bioinformatics (CHIBI)

TEACHING EXPERIENCE

- Vanderbilt University, Department of Biomedical Informatics*
Teaching Assistant **2007-2008**
Machine Learning for Biomedicine, Foundations of Bioinformatics, Methodological Foundations of Biomedical Informatics

PUBLICATIONS

Papers

- Fu LD, Aliferis CF. Models for Predicting and Explaining Citation Count of Biomedical Articles. AMIA Annual Symposium, 2008.
- Fu LD, Wang L, Aphinyanaphongs Y, Aliferis CF. A Comparison of Impact Factor, Clinical Query Filters, and Pattern Recognition Filters in Terms of Sensitivity to Topic. Proc. of the 12th World Congress on Medical Informatics (Medinfo), 2007.
- Fu LD, Aliferis CF. Using Content-based and Bibliometric Features for Machine Learning Models to Predict Citation Counts in the Biomedical Literature. Accepted in Scientometrics.
- Fu LD, Wang L, Aphinyanaphongs Y, Aliferis CF. A Comparison of Evaluation Metrics for Journals, Articles, and Websites in Terms of Sensitivity to Topic. Journal manuscript in preparation.
- Fu LD, Aliferis CF. Machine Learning Models for Automatic Classification of Instrumental Citations. Journal manuscript in preparation.

Posters

- Fu LD, Tsamardinos I. A Comparison of Bayesian Network Learning Algorithms from Continuous Data. AMIA Annual Symposium, 2005.

Book Chapters

- Fu LD. Development of the Scientific Computing Center at Vanderbilt University. In Transforming Health Care Through Information (Lorenzi NM, Ash JS, Einbinder J, McPhee W, Einbinder L eds.), Springer, 2004.

PROFESSIONAL ACTIVITIES

- Member of American Medical Informatics Association (AMIA) 2002 - Present
- Reviewer for AMIA Annual Symposium, AMIA Summit on Translational Bioinformatics, FLAIRS (Florida Artificial Intelligence Research Society) Conference

AWARDS

- National Library of Medicine (NLM) Predoctoral Fellowship in Biomedical Informatics, 2002-2006
- Finalist, AMIA 2008 Annual Symposium Student Paper Competition

PATENTS

- Fu LD, Aliferis CF. Method for Predicting Citation Counts. United States Patent Application Number: 12/289,970 (2008).
- Fu LD, Aliferis CF. A Computer Implemented Method for the Automatic Classification of Instrumental Citations. United States Patent Application Number: 61/112,553 (2008).