

**Thai Le**  
**Curriculum Vitae**

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**Education**

University of Washington, Seattle, WA (Sep 2010 – Dec 2014, GPA: 3.88)

Doctor of Philosophy in Biomedical and Health Informatics

Johns Hopkins University, Baltimore, MD (May 2009, GPA: 3.86)

Bachelor of Science in Biomedical Engineering

Johns Hopkins University, Baltimore, MD (May 2009, GPA: 3.86)

Bachelor of Science in Mathematics

**Positions and Employment**

2014-Current	User Researcher, Amazon Web Services, Seattle, WA
2013-2014	Research Assistant (Smart Home Technologies), University of Washington, Seattle, WA
2012-2013	User Experience Research Intern, Amazon, Seattle, WA
2010-2013	National Library of Medicine Fellow, University of Washington, Seattle, WA
2012-2012	Health Informatics Research Intern, Arcadia Solutions, Boston, MA
2011-2011	National Library of Medicine Summer Training Internship, National Institute of Health, Bethesda, MD
2007-2008	Research Assistant, Oregon Health Sciences University, Department of Medical Informatics and Clinical Epidemiology, Portland, OR
2007-2008	Marketing Analyst Intern, Intel Honors Internship Program, Hillsboro, OR
2006-2007	Research Assistant, Johns Hopkins Department of Biostatistics, Baltimore, MD
2006-2007	Process Engineer Intern, Intel Honors Internship Program, Hillsboro, OR
2005-2006	Implant Technician Intern, Intel Honors Internship Program, Hillsboro, OR
2004-2005	Research Intern, Neurological Sciences Institute, Beaverton, OR

**Other Experience and Professional Memberships**

2010-2015	Member, American Medical Informatics Association
2011-2012	Member, The Gerontological Society of America
2008-2010	Member, Institute of Electrical and Electronics Engineers

**Honors**

2013-2015	Student Editorial Board for <i>Journal of the American Medical Informatics Association</i>
2014	Selected Participant for <i>International Partnership in Health Informatics Education (IPHIE)</i>
2012-2014	Student Editorial Board for <i>Methods of Information in Medicine</i>
2013	Agency for Health Research and Quality Mentorship Program at the Workshop on Interactive Systems in Healthcare
2010-2013	National Library of Medicine Fellowship Award
2013	Selected by Division of Biomedical and Health Informatics as plenary speaker at the National Library of Medicine Training Symposia (Salt Lake City)
2010	Selected by Division of Biomedical and Health Informatics to present poster at the National Library of Medicine Training Symposia (Washington D.C.)
2009	General Honors, Johns Hopkins University
2009	Departmental Honors, Department of Biomedical Engineering, Johns Hopkins University
2005-2009	National Merit Scholarship Award, Johns Hopkins University

### **Peer-Reviewed Journals**

13. **Le T**, Aragon C, Thompson HJ, Demiris G. Elementary Graphical Perception for Older Adults: A Comparison with the General Population. *Perception*. 2014;43(11):1249-60.
12. Chung J, Chaudhuri S, **Le T**, Chi N, Thompson HJ, Demiris G. The Use of Think-Aloud to Evaluate a Navigation Structure for a Multimedia Health and Wellness Application for Older Adults and Their Caregivers. *Educational Gerontology* (In Press).
11. **Le T**, Reeder B, Chung J, Thompson H, Demiris G. Design of Smart Home Sensor Visualizations for Older Adults. *Technology and Health Care*. 2014;22(4):657-66.
10. **Le T**, Reeder B, Yoo D, Aziz R, Thompson H, Demiris G. An Evaluation of Wellness Assessment Visualizations for Older Adults. *Telemedicine and e-Health*. 2015;21(1):9-15.
9. **Le T**, Chaudhuri S, Chung J, Thompson H, Demiris G. Tree Testing of Hierarchical Menu Structures for Health Applications. *Journal of Biomedical Informatics*. 2014;49:198-205.
8. Reeder B, Chung J, **Le T**, Thompson H, Demiris G. Assessing Older Adults' Perceptions of Sensor Data and Designing Visual Displays for Ambient Assisted Living Environments: An Exploratory Study. *Methods of Information in Medicine*. 2014; 53(3):152-9.
7. **Le T**, Chaudhuri S, White C, Thompson H, Demiris G. Trust in Health Information Sources Differs between Young/Middle and Oldest Old. *American Journal of Health Promotion*. 2014;28(4):239-41.
6. Chaudhuri S, **Le T**, White C, Thompson H, Demiris G. Examining Health Information Seeking Behaviors of Older Adults. *Computers, Informatics, Nursing*. 2013; 31(11):547-53.
5. Huh J, **Le T**, Reeder B, Thompson H, Demiris G. Perspectives on Wellness Self-Monitoring Tools for Older Adults. *International Journal of Medical Informatics*. 2013;82(11):1092-103.
4. Wilamowska K, **Le T**, Demiris G, Thompson H. Using Commercially available Tools for multi-faceted health assessment: Data Integration Lessons Learned. *Computers, Informatics, Nursing*. 2013; 31(7): 329-334.

3. **Le T**, Reeder B, Thompson H, Demiris G. Health Providers' Perceptions of Novel Approaches to Visualizing Integrated Health Information. *Methods of Information in Medicine*. 2013; 52(3):250-258.
2. Demiris G, Thompson H, Boquet J, **Le T**, Chaudhuri S, Chung J. Older Adults' Acceptance of a Community Based Telehealth Wellness System. *Informatics for Health and Social Care*. 2013; 38(1): 27-36.
1. **Le T**, Wilamowska K, Demiris G, Thompson H. Integrated data visualisation: an approach to capture older adults' wellness. *International Journal of Electronic Healthcare*. 2012; 7(2): 89-104.

### **Peer-Reviewed Conference Papers**

3. Rance B, **Le T**, Bodenreider O. Fingerprinting Biomedical Terminologies – Automatic Classification and Visualization of Biomedical Vocabularies through UMLS Semantic Group Profiles. *15<sup>th</sup> World Congress on Health/Medical Informatics Medinfo 2015*.
2. **Le T**, Thompson H, Demiris G. An Examination of Electronic Health Information Privacy in Older Adults. *14<sup>th</sup> World Congress on Health/Medical Informatics Medinfo 2013*.
1. Reeder B, **Le T**, Thompson H, Demiris G. Comparing Information Needs of Health Care Providers and Older Adults: Findings from a Wellness Study. *14<sup>th</sup> World Congress on Health/Medical Informatics Medinfo 2013*.

### **Peer-Reviewed Conference Abstracts**

11. Bock C, **Le T**, Samuel A, Huang D, Phanishayee A, Thompson HJ, Demiris G. Visualizing Sensor Data through an Open Platform for Connected Devices: A Use Case Demonstration. *15<sup>th</sup> World Congress on Health/Medical Informatics Medinfo 2015*.
10. Zia J, **Le T**, Heitkemper M, Demiris G. Download Alert: What do gastroenterology patients really think of health-related smartphone apps? *American College of Gastroenterology Annual Scientific Meeting*. 2014.
9. Chaudhuri S, Kneale L, **Le T**, Thompson H, Demiris G. Older Adults' Attitudes toward Fall Detection Devices. Presented at the National Library of Medicine Informatics Training Conference, Pittsburgh, 2014.
8. **Le T**, Reeder B, Yoo D, Aziz R, Thompson H, Demiris G. Stakeholders' Evaluation of Visualization Approaches of Wellness. Presented at the National Library of Medicine Informatics Training Conference, Salt Lake City, 2013.
7. **Le T**, Rance B, Bodenreider O. Network Visualizations of UMLS Source Vocabularies using Semantic Groups. *AMIA Annu Symp Proc*. 2013.
6. Lazar A, **Le T**, Joe J. Lessons Learned from a Usability Study of Community Bulletin Boards for Older Adults. *66<sup>th</sup> Annual Meeting of the Gerontological Society of America (GSA)*. 2013.
5. Chaudhuri S, **Le T**, White C, Chung J, Demiris G, Thompson H. Administering a Wide-Scale Survey to Community Dwelling Older Adults: Implications and Lessons Learned. *AMIA Annu Symp Proc*. 2012.
4. McGough E, Thompson H, **Le T**, Chaudhuri S, Demiris G. Exploring the Relationship between Computerized Measures of Gait and Lower Extremity Function, Balance and Fear of Falling. *AGS Annu Scientific Meeting*. 2012; S164.

3. **Le T**, Wilamowska K, Thompson H, Demiris G. Data Visualization Techniques for Holistic Health of Older Adults. Presented at the National Library of Medicine Informatics Training Conference, Bethesda, June 2011.
2. **Le T**, Wilamowska K, Thompson H, Demiris G. Design of Data Visualization Techniques for Integrated Assessment of Wellness. *AMIA Annu Symp Proc*. 2011; 1849.
1. Jimison H, Pavel M, **Le T**. Home-based cognitive monitoring using embedded measures of verbal fluency in a computer word game. *Conference proceedings : ... Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Conference*. 2008;2008:3312-5.

### **Book Chapters**

1. **Le, T**. Visualizing Smart Home and Wellness Data. In: Van Hoot J, Demiris G, Wouters E, editors. Handbook of Smart Homes, Health Care and Well-being. SpringerReference, 2014.

### **Peer-Reviewed Tutorials/ Workshops/ Panels**

1. **Le T**, Wilamowska K, Thompson H, Demiris G. Data Visualization Techniques for a Holistic Understanding of Older Adults' Health. Presented at the 64<sup>th</sup> Annual Meeting of the Gerontological Society of America GSA 2011, Boston, November 2011.

### **Journal/Conference Reviews**

7. Technical Program committee ACM UbiComp International Workshop on Smart Health Systems and Applications, 2014.
6. Reviewer for the World Congress on Medical and Health Informatics, 2013.
5. Reviewer for International Journal of Telemedicine and Applications, 2013.
4. Reviewer for Methods of Information in Medicine, 2012 – 2013.
3. Reviewer for the American Medical Informatics Association Annual Symposium, 2012.
2. Symposium and Paper/Poster Reviewer for the 65<sup>th</sup> Annual Gerontological Society of America Scientific Meeting, 2012.
1. Reviewer for Technical Program Committee for SmartE, IEEE Pervasive Computing and Communication, 2011.

### **Invited Presentations**

3. Chaudhuri S, **Le T**, White C, Chung J, Demiris G, Thompson H. Clinical Informatics and Patient-Centered Technologies Poster Presentation. Administering a wide-scale survey to community dwelling older adults: Implications and lessons learned. University of Washington. March 2012.
2. Chaudhuri S, **Le T**, White C, Chung J, Demiris G, Thompson H. Lessons Learned from Surveying Community Dwelling Adults on their Health Information Needs. *Creating Elder Friendly Communities: A University of Washington Gerontology Research Forum*. 2012.

1. **Le T**, Reeder B, Yoo D, Demiris G, Thompson H. Engaging Older Adults using Focus Groups: Lessons Learned from a Visual Design Evaluation. *Creating Elder Friendly Communities: A University of Washington Gerontology Research Forum*. 2012.

### **Teaching**

1. Guest Lecture. Honors 222B: Transformational technologies for biology, medicine, and health. University of Washington. March 2012.

### **Service Activities**

2012-2013	Student Body: Graduate and Professional Student Senator
2013	Volunteer – Science Expo Day, June 8, 2013, Seattle Center, WA
2013	Volunteer- “Senior Point of View” University of Washington Booth at “Paws on Science-Husky Weekend” Science Fair, April 5-7, 2013, Pacific Science Center, Seattle, WA