

Doris Jung-Lin Lee

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EDUCATION

- Ph.D. Computer Science, University of Illinois, Urbana-Champaign Aug 2016 - Present
- Interests: Interactive data analytics, visualization, database usability.
 - Advisor: Aditya Parameswaran
- B.A. Physics, Astrophysics, University of California, Berkeley Sept 2013 - May 2016

RESEARCH & PUBLICATIONS

Graduate Student Research Assistant at UIUC Aug 2016 - Present

- Accelerating Scientific Data Exploration via Visual Query Systems. [arXiv:1710.00763]
Doris Jung-Lin Lee, John Lee, Tarique Siddiqui, Jaewoo Kim, Karrie Karahalios, Aditya Parameswaran
- Framing Electronic Medical Records as Polylingual Documents in Query Expansion.
Edward W Huang, Sheng Wang, **Doris Jung-Lin Lee**, Runshun Zhang, Baoyan Liu, Xuezhong Zhou, Cheng Xiang Zhai.
American Medical Informatics Association Annual Symposium Proceedings 2017.
- Identifying Fashion Accounts in Social Networks.
Doris Jung-Lin Lee, Jinda Han, Dana Chambourova, Ranjitha Kumar.
In Proceedings of ACM KDD Machine learning meets fashion Workshop 2017.

Lawrence Berkeley National Lab Scientific Data Management Group Summer 2016

- Comparison of Clustering Techniques for Residential Energy Behavior using Smart Meter Data
Ling Jin, **Doris Jung-Lin Lee**, Alex Sim, Sam Borgeson, John Wu, Anna Spurlock, Annika Todd
2nd International Workshop on Artificial Intelligence for Smart Grids and Smart Buildings with AAAI 2017.

UC Berkeley Hybrid Ecologies Lab June 2014 - Aug 2016

- Crowdclass: Designing classification-based citizen science learning modules
Doris Jung-Lin Lee, Joanne Lo, Moonhyok Kim, Eric Paulos
The Fourth AAAI Conference on Human Computation and Crowdsourcing (HCOMP 2016)
- Skintillates: Towards Epidermal Interactions.
Joanne Lo, **Doris Jung-Lin Lee**, Nathan Wong, David Bui, Eric Paulos
ACM Designing Interactive Systems (DIS) 2016. Honorable Mention.
- ‘I don’t want to wear a screen’: Probing perceptions of and possibilities for dynamic displays on clothing.
Laura Devendorf, Joanne Lo, Noura Howell, **Doris Jung-Lin Lee**, Nan-Wei Gong,
M. Emre Karagozler, Ivan Poupyrev, Eric Paulos, Kimiko Ryokai
ACM Transactions on Computer-Human Interaction (CHI) 2016. Best Paper Award.

University of Illinois Laboratory for Cosmological Data Mining Summer 2014 - Jan 2016

- Pattern Discovery and Large-Scale Data Mining on Cosmological Datasets.
Doris Jung-Lin Lee, Robert J. Brunner
6th Workshop on Algorithms for Modern Massive Data Set (MMDS) 2016 Poster.
- Creating updated, scientifically-calibrated mosaic images for the RC3 Catalogue
Doris Jung-Lin Lee, Robert J. Brunner [arXiv:1512.01204].

UC Berkeley AMP Lab Big Data Genomics Group January 2016 - Aug 2016

Princeton Astrophysical Fluid Dynamics Group Summer 2015

UC Berkeley Star Formation Theory Group November 2014 - Aug 2016

PRESENTATIONS & TECH REPORTS

- Crowdclass: Designing classification-based citizen science learning modules. [Slides]
 - 10/31/16: HCOMP, Austin, Texas
 - 10/18/16: UIUC HCI Seminar, Champaign, Illinois
 - 10/13/16: Zooniverse Seminar, Chicago, Illinois
- astroSim: Jupyter Notebook tutorials for running astrophysical simulations through the gravitational collapse of a magnetized, rotating sphere
Doris Jung-Lin Lee, Aaron T. Lee. [zenodo:59657]
- 06/23/16: Pattern Discovery and Large-Scale Data Mining on Cosmological Datasets/
Doris Jung-Lin Lee, Robert Brunner
6th Workshop on Algorithms for Modern Massive Data Set (MMDS). [Poster]
- 05/05/16: Mango: data exploration on large genomic datasets.
Alyssa Morrow, Eric Tu, Frank Austin Nothaft, George He, **Doris Lee**, Anthony Joseph, David Patterson.
UC Berkeley College of Engineering Undergraduate Research Symposium.
- 08/08/15: Three-Dimensional Simulations of Instabilities in Accretion Disk Torus.
Doris Jung-Lin Lee, Kengo Tomida, James Stone
Princeton University Undergraduate Summer Research Program Final Presentation. [Technical Report]
- 03/25/15: Creating updated, scientifically-calibrated mosaic images for the RC3 Catalogue.
Doris Jung-Lin Lee, Robert Brunner.
Society of Physics Students West Coast Zone Meeting. [Poster]

PATENTS

- *Skintillates: Towards Epidermal Electronics Interactions*. Eric Paulos, Joanne Lo, **Jung-Lin Lee**, U.S. Provisional Patent Application No.62/174,735, June 2015.
- *Individually Addressable, Highly Efficient, Trifunctional Conductive Thread*. Eric Paulos, Kimiko Ryokai, Joanne Lo, Laura Devendorf, **Jung-Lin Lee**, Nan-Wei Gong, Karen Robinson, Ivan Poupyrev, June 2015.

AWARDS

- UIUC Computer Science Excellence Fellowship Oct 2016
- ACM DIS 2016 Honorable Mention Award June 2016
- ACM CHI 2016 Best Paper Award May 2016

SERVICE

Undergraduate Mentoring:

Moonhyook Kim (UC Berkeley, 2016), Akari Asai (UC Berkeley, 2016), Dana Nikolaeva (UIUC Senior Thesis, 2017), Jaewoo Kim (UIUC, 2017), Yanqing Ma (UIUC, 2017), Huizi Hu (UIUC, 2017)

ACM IUI 2018 Program Committee

ACM CHI 2018, IUI 2017 Reviewer

ACM SIGCHI Executive Committee 2017 Student Volunteer

ACM XRDS Magazine News Editor

Nov 2014-August 2016

Google Code-In Organization Mentor

2015-2016 Season