Doris Jung-Lin Lee

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EDUCATION

Ph.D. Information Management and Systems, University of California, Berkeley   2019 - Present
- Ph.D. Computer Science, University of Illinois, Urbana-Champaign (transferred)   2016 - 2019

B.A. Physics, Astrophysics, University of California, Berkeley   2013 - 2016

RESEARCH EXPERIENCE

Graduate Student Research Assistant at UC Berkeley	Aug 2019 - Present
Research Intern at IBM Research Almaden	Summer 2019
Graduate Student Research Assistant at UIUC	Aug 2019 - May 2019
Research Intern at Tableau Software	Summer 2018
Graduate Student Research Assistant at UIUC	Aug 2016 - May 2019
Lawrence Berkeley National Lab Scientific Data Management Group	Summer 2016
UC Berkeley AMP Lab Big Data Genomics Group	January 2016 - Aug 2016
UC Berkeley Hybrid Ecologies Lab	June 2014 - Aug 2016
Princeton Astrophysical Fluid Dynamics Group	Summer 2015
UC Berkeley Star Formation Theory Group	November 2014 - Aug 2016
University of Illinois Laboratory for Cosmological Data Mining	May 2014 - Jan 2016

PUBLICATIONS

Full Papers

[P7] **Doris Jung-Lin Lee**, John Lee, Tarique Siddiqui, Jaewoo Kim, Karrie Karahalios, Aditya Parameswaran. You can't always sketch what you want: Understanding Sensemaking in Visual Query Systems, *IEEE Conference on Visual Analytics Science and Technology (VAST)*, October 2019.

[P6] **Doris Jung-Lin Lee***, Stephen Macke*, Doris Xin*, Angela Lee, Silu Huang, Aditya Parameswaran. A Human-in-the-loop Perspective on AutoML: Milestones and the Road Ahead. *IEEE Data Engineering Bulletin*, Special Issue on Machine Learning Life-cycle Management, June 2019.

[P5] **Doris Jung-Lin Lee**, Himel Dev, Hazem Elmeleegy, Aditya Parameswaran. Avoiding the Drill-down Fallacy with VisPilot: Assisted Exploration of Data Subsets. *ACM Intelligent User Interface (IUI)*, Los Angelos, California, March 2019.

[P4] **Doris Jung-Lin Lee**, Aditya Parameswaran, The Case for a Visual Discovery Assistant: A Holistic Solution for Accelerating Visual Data Exploration. *IEEE Data Engineering Bulletin*, Special Issue on Insights and Explanations in Data Analysis, September 2018.

[P3] **Doris Jung-Lin Lee**, Joanne Lo, Moonhyok Kim, Eric Paulos, Crowdclass: Designing Classification-based Citizen Science Learning Modules. *The Fourth AAAI Conference on Human Computation and Crowdsourcing (HCOMP)*, Austin, Texas, November 2016.

[P2] Joanne Lo, **Doris Jung-Lin Lee**, Nathan Wong, David Bui, Eric Paulos, Skintillates: Towards Epidermal Interactions. *ACM Designing Interactive Systems (DIS)*, Brisbane, Australia, June 2016. **Honorable Mention.**

[P1] Laura Devendorf, Joanne Lo, Noura Howell, **Doris Jung-Lin Lee**, Nan-Wei Gong, M. Emre Karagozler, Ivan Poupyrev, Eric Paulos, Kimiko Ryokai, 'I don't Want to Wear a Screen': Probing Perceptions of and Possibilities for Dynamic Displays on Clothing. *ACM Transactions on Computer-Human Interaction (CHI)*, San Jose, USA, May 2016. **Best Paper Award.**

Workshop/Short Papers/Poster/Demo

[**W6**] **Doris Jung-Lin Lee**, Jaewoo Kim, Renxuan Wang, Aditya Parameswaran, ScatterSearch: Visual Querying of Scatterplot Visualizations. *IEEE Conference on Information Visualization (InfoVis)*, Vancouver, Canada, October 2019.

[**W5**] **Doris Jung-Lin Lee**, Akash Das Sarma, Aditya Parameswaran, Aggregating Crowdsourced Image Segmentations. *The Sixth AAAI Conference on Human Computation and Crowdsourcing (HCOMP)*, Zurich, Switzerland, July 2018.

[**W4**] Edward W Huang, Sheng Wang, **Doris Jung-Lin Lee**, Runshun Zhang, Baoyan Liu, Xuezhong Zhou, ChengXiang Zhai. Framing Electronic Medical Records as Polylingual Documents in Query Expansion, *AMIA Annual Symposium Proceedings*. American Medical Informatics Association, 2017.

[**W3**] **Doris Jung-Lin Lee**, Jinda Han, Dana Chambourova, Ranjitha Kumar. Identifying Fashion Accounts in Social Networks. *In Proceedings of ACM KDD 2017 Machine learning meets fashion Workshop*, Halifax, Nova Scotia, August 2017.

[**W2**] Ling Jin, **Doris Jung-Lin Lee**, Alex Sim, Sam Borgeson, John Wu, Anna Spurlock, Annika Todd, Comparison of Clustering Techniques for Residential Energy Behavior using Smart Meter Data, *2nd International Workshop on Artificial Intelligence for Smart Grids and Smart Buildings* In conjunction with AAAI 2017.

[**W1**] **Doris Jung-Lin Lee**, Robert J. Brunner, Pattern Discovery and Large-Scale Data Mining on Cosmological Datasets. *6th Workshop on Algorithms for Modern Massive Data Set (MMDS)*, Berkeley, USA, June 2016.

Technical Reports

[**T2**] **Doris Jung-Lin Lee**, Aaron T. Lee, astroSim: Jupyter Notebook tutorials for running astrophysical simulations through the gravitational collapse of a magnetized, rotating sphere. [zenodo:59657]

[**T1**] **Doris Jung-Lin Lee**, Robert J. Brunner, Creating updated, scientifically-calibrated mosaic images for the RC3 Catalogue (2015) [arXiv:1512.01204].

PRESENTATIONS

- 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 at Adler Planetarium, Chicago, Illinois
- 05/05/16 Alyssa Morrow, Eric Tu, Frank Austin Nothaft, George He, **Doris Lee**, Anthony Joseph, David Patterson. "Mango: data exploration on large genomic datasets". UC Berkeley College of Engineering Undergraduate Research Symposium.
- 08/08/15 **Doris Lee**, Kengo Tomida, James Stone, "Three-Dimensional Simulations of Instabilities in Accretion Disk Torus". Princeton University Undergraduate Summer Research Program Final Presentation. [Technical Report]
- 03/25/15 **Doris Lee**, Robert Brunner, "Creating updated, scientifically-calibrated mosaic images for the RC3 Catalogue". 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
- ACM IUI 2019 Travel Award   Feb 2019
- CRA-W Grad Cohort Workshop Selected Participant and Travel Award   Dec 2018
- UIUC Computer Science Excellence Fellowship   Oct 2016
- ACM DIS 2016 Honorable Mention Award   June 2016
- ACM CHI 2016 Best Paper Award   May 2016

SERVICE
Students Mentored:
- Angela Lee *(BS CS '19; Now Graduate Student at UIUC)*   2019-Present
- Jaewoo Kim *(Undergraduate Senior Thesis; Now Graduate Student at UIUC)*   2017-Present
- Huizi Hu *(BS CS '19; Now Graduate Student at UIUC)*   2017-2019
- Renxuan Wang *(MS CS'19; Now Software Engineer at Google)*   2018-2019
- Jintao Jiang *(BS CS '18; Now Graduate Student at UCLA)*   2018-2019
- Edward Xue *(MS CS '18; Now Software Engineer at Facebook)*   2017-18
- Marc Lee *(MS Stats '18)*   2018
- Xu Yang *(MS IE '18; Now Software Engineer at Apple)*   2018
- Chaoran Wang *(MS CS '17; Now Software Engineer at Uber)*   2017
- Zhiwei Zhang *(BS CS '17; Now Software Engineer at DRW)*   2017
- Yanqing Ma *(BS CS '19)*   2017
- Dana Chambourova *(Undergraduate Senior Thesis; Now software engineer at Flexport)*   2017
- Moonhyook Kim *(BS CS '16)*   2016

ACM IUI Paper Program Committee   2018, 2019
Paper Reviewer:
ACM CHI 2019 (Case Studies), TIIS 2018, CHI 2018, IUI 2017, IUI 2019 (Poster Demo),
PacificVAST 2019, EuroVis 2019, CHIPLAY 2019 (Work-in-Progress)
Mentoring & Volunteering Programs:
- UIUC CS Department Graduate Student Mentor (2018)
- UIUC CS Department Graduate Student Ambassador (2018, 2019)
- UIUC Mentoring Undergraduates in Science & Engineering (2017)
- Peer Mentor and Club Liaison for UC Berkeley Society of Physics Students (2015-2016)
- Volunteer and Summer Program Coordinator at UC Berkeley COMPASS Project (2013-2016)

ACM SIGCHI Executive Committee Student Volunteer   2017
ACM XRDS Magazine News Editor   Nov 2014-August 2016