



Nic Lupfer

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NicLupfer.com

Research Interests

Creativity support software; design ideation & education; explainable AI; human-computer interaction; computer supported collaborative work & play;

Education

- Expected 2020 **Ph.D. in Computer Science**, Texas A&M University
Department of Computer Science and Engineering
Dissertation: *Collaborative Multiscale Design Curation: Ideation and Reflection in Team Project-based Learning*
Advisor: Andruid Kerne
College Station, TX
- 2014 **M.S. in Computer Science**, Texas A&M University
Department of Computer Science and Engineering
Thesis: *Beyond the Feed and the Board: Holistic Principles of Expressive Web Curation*
College Station, TX
- 2010 **B.S. in Computer Science**, Texas A&M University
Department of Computer Science and Engineering
College Station, TX

Academic Work Experience

- Fall 2012 – Present **Researcher Assistant**, Texas A&M University
Department of Computer Science and Engineering
Interface Ecology Lab
College Station, TX
- Fall 2012 **Teaching Assistant**, Texas A&M University
Department of Computer Science and Engineering
College Station, TX

Industry Experience

- Summer 2018 **Research Intern**, Microsoft Research
Mentored by Gina Venolia & John Tang
Redmond WA
- Fall 2015 **Entrepreneur in Residence**, Startup Aggieland
College Station, TX
- Summer 2012 **Google Summer of Code Student**, Texas A&M University
Interface Ecology Lab
College Station, TX
- Summer 2011 – Summer 2012 **Associate Consultant**, Improving Enterprises
College Station, TX

Awards & Achievements

- 2017 **Mentoring Excellence Award**, Texas A&M University
Department of Computer Science and Engineering
- 2016 **Best Paper Nominee**, ACM Conference on Multimedia
"Patterns of Free-form Curation: Visual Thinking with Web Content"
- 2015 **I-Corps Entrepreneurial Lead**, National Science Foundation
"Transforming the Web to Support New Ideas: Beyond the Feed and the Board"
- 2015 **Best Paper Honorable Mention**, ACM Conference on Creativity & Cognition
"Evaluating TweetBubble with Ideation Metrics of Exploratory Browsing"

Selected Full Publications

[acceptance rate %]

1. Lupfer, N., Kerne, A., Linder, R., Fowler, H., Rajanna, V., Carrasco, M., Valdez, A. *"Multiscale Design Curation: Supporting Computer Science Students' Iterative and Reflective Creative Processes"*, in Proc. ACM Creativity & Cognition 2019, [30%].
2. Lupfer, N., Fowler, H., Valdez, A., Webb, A., Merrill, J., Newman, G., Kerne, A. *"Multi-Scale Design Strategies from a Landscape Architecture Classroom"*, in Proc. ACM Designing Interactive Systems 2018 [25%].
3. Hamilton, W. A., Lupfer, N., Botello, N., Tesch, T., Stacy, A., Merrill, J., Williford, B., Bentley, F. R., Kerne, A. *"Collaborative Live Media Curation: Shared Context for Participation in Online Learning"*, in Proc. ACM Computer Human Interaction 2018 [26%].
4. Kerne, A., Lupfer, N., Linder R., Qu, Y., Valdez, A., Jain, A., Keith, K., Carrasco, M., Vanegas, J., Billingsley, A. *"Strategies of Free-form Web Curation: Processes of Creative Engagement with Prior Work"*, in Proc. ACM Creativity & Cognition 2017 [29%].
5. Lupfer, N., Kerne, A., Webb, A.M., Linder R. *"Patterns of Free-form Curation: Visual Thinking with Web Content"*, in Proc. ACM Multimedia 2016 [20%].
6. Jain, A., Lupfer, N., Qu, Y., Linder, R., Kerne, A., Smith, S.M. *"Evaluating TweetBubble with Ideation Metrics of Exploratory Browsing"*, in Proc. ACM Creativity and Cognition 2015 [28%].
7. Linder, R., Lupfer, N., Kerne, A., Webb, A. M., Hill, C., Qu, Y., Keith, K., Carrasco M., Kellogg, E. *"Beyond Slideware: How a Free-form Presentation Medium Stimulates Free-form Thinking in the Classroom"*, in Proc. ACM Creativity and Cognition 2015 [28%].

Service

- 2019 Program Committee, ACM Conference on Creativity & Cognition