

Jane Hoffswell, Ph.D.

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EDUCATION

PHD (2020), MS (2016) COMPUTER SCIENCE & ENGINEERING

Paul G. Allen School, University of Washington (UW)

Advisor: Jeffrey Heer

BS COMPUTER SCIENCE (2014)

Harvey Mudd College (HMC)

Advisor: Ben Wiedermann

RECENT EMPLOYMENT

- 2020 - present **RESEARCH SCIENTIST, ADOBE RESEARCH**
Conducted research at the intersection of visualization and human-computer interaction.
- 2020 - present **LECTURER, UNIVERSITY OF WASHINGTON**
Taught courses on visualization (CSE442, CSE412) in the UW Allen School of Computer Science & Engineering. Developed course curriculums and managed a group of teaching assistants.
- 2014 - 2020 **GRADUATE RESEARCH ASSISTANT, UNIVERSITY OF WASHINGTON**
Conducted research on the design and development of new tools and program understanding techniques for interactive visualization design. Interviewed expert users to understand design challenges. Performed user evaluations of the prototyped systems. **ADVISOR: JEFFREY HEER**
- 2019 **RESEARCH INTERN, ADOBE RESEARCH**
Surveyed common responsive techniques from visualizations in news articles. Interviewed journalists about their existing development practices for responsive visualizations design. Prototyped a new responsive visualization system. **ADVISORS: LEO ZHICHENG LIU, WILMOT LI**
- 2018 **RESEARCH INTERN, ADOBE RESEARCH**
Conducted research on the analysis & reuse of tabular data automatically extracted from PDFs. Applied machine learning techniques to predict table structure. Prototyped and evaluated an interactive system for repairing extraction errors. **ADVISOR: LEO ZHICHENG LIU**

SELECTED PUBLICATIONS

- 2020 Techniques for Flexible Responsive Visualization Design. **Best Paper Award (Top 1%)**
Jane Hoffswell, Wilmot Li, and Zhicheng Liu. *CHI 2020*.
- 2019 Interactive Repair of Tables Extracted from PDF Documents on Mobile Devices.
Jane Hoffswell and Zhicheng Liu. *CHI 2019*.
- 2018 SetCoLa: High-Level Constraints for Graph Layout.
Jane Hoffswell, Alan Borning, Jeffrey Heer. *EuroVis 2018*.
- Augmenting Code with In Situ Visualizations to Aid Program Understanding.
Jane Hoffswell, Arvind Satyanarayan, Jeffrey Heer. *CHI 2018*.
- 2016 Visual Debugging Techniques for Reactive Data Visualization.
Jane Hoffswell, Arvind Satyanarayan, Jeffrey Heer. *EuroVis 2016*.

RELEVANT SKILLS

- Coding:** JavaScript, Python, HTML/CSS, D3.js, Vega/Vega-Lite
- User Research:** Semi-Structured Interviews, Surveys, Experimental Design
- Leadership:** Project Management, Scientific & Technical Writing, Presentations
- Tools:** GitHub, Tableau, LaTeX, Keynote, Microsoft Excel, OmniGraffle

For a complete list of previous employment, experience, and publications please refer to my website or CV.