

# Jane Hoffswell, Ph.D.

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## EDUCATION

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### 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

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### 2020 - present LECTURER, UNIVERSITY OF WASHINGTON

Taught courses on visualization (CSE442) in the Paul G. 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

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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

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**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.*