Jane Hoffswell

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EDUCATION

PhD Student Computer Science, *current*
MS Computer Science & Engineering, *June 2016*
University of Washington (UW), Seattle, WA
Advisor: Jeffrey Heer

BS Computer Science, *May 2014*
Harvey Mudd College (HMC), Claremont, CA
Advisor: Ben Wiedermann

PUBLICATIONS

Augmenting Code with In Situ Visualizations to Aid Program Understanding. **Jane Hoffswell**, Arvind Satyanarayan, Jeffrey Heer. *ACM Human Factors in Computing Systems (CHI), 2018.*

Supporting Patient-Provider Collaboration to Identify Individual Triggers using Food and Symptom Journals. Jessica Schroeder, **Jane Hoffswell**, Chia-Fang Chung, James Fogarty, Sean Munson, Jasmine Zia. *ACM Computer-Supported Cooperative Work (CSCW), 2017.*

Visual Debugging Techniques for Reactive Data Visualization. **Jane Hoffswell**, Arvind Satyanarayan, Jeffrey Heer. *Eurographics Conference on Visualization (EuroVis), 2016.*

Reactive Vega: A Streaming Dataflow Architecture for Declarative Interactive Visualization. Arvind Satyanarayan, Ryan Russell, **Jane Hoffswell**, Jeffrey Heer. *IEEE Trans. Visualization & Comp. Graphics (Proc. InfoVis)*, 2016.

HONORS AND AWARDS

2014	Jeff Dean – Heidi Hopper Endowed Regental Fellowship Recipient
2014	HMC Computer Science Clinic Poster Award
2014	Honorable Mention CRA Undergraduate Research Award Competition
2011-2014	Harvey Mudd College Dean's List
2010	International Baccalaureate

EXPERIENCE

Spring 2017 & Spring 2016 Seattle, WA	**Tutor and Grader, Computer Science & Engineering Department, UW** — I graded coursework, held office hours, and led extra tutorial sessions for students in the graduate (2016) and undergraduate (2017) Data Visualization course.
Winter 2014 Seattle, WA	**Tutor and Grader, Masters in Human Computer Interaction + Design, UW** — I tutored and graded coursework for students studying User Interface Software & Technology. I also helped to develop the course curriculum.
Fall 2014 *to* Spring 2014 Claremont, CA	**Tutor and Grader, Computer Science Department, HMC** — I tutored and graded classes on Software Development and the Principles of Computer Science.

Fall 2013 *to* Spring 2014 Claremont, CA	CAPSTONE PROJECT, COMPUTER SCIENCE DEPARTMENT, HMC *Visualizing and Exploring Performance Data alongside VMware* I was Project Manager for my senior capstone project and was responsible for organizing team efforts. As a team, we developed a visualization dashboard for visualizing system performance using D3.js.
Summer 2013 Claremont, CA	RESEARCHER, COMPUTER SCIENCE DEPARTMENT, HMC *Visualizing the Graphical Execution of Abstract Program Traces* I modified the UC Santa Barbara JavaScript Abstract Interpreter to output information about the abstract program trace and implemented a tool for visualizing program traces using D3.js.
Summer 2012 Claremont, CA	RESEARCHER, COMPUTER SCIENCE DEPARTMENT, HMC *Large Scale, Educational Video Games for Middle School Students* I developed a math-based game for the iPad that teaches children about rations in a fun environment by taking advantage of the intuitive, ratio-based behavior of mixing paint colors.

PRESENTATION, LEADERSHIP, AND VOLUNTEER EXPERIENCE

Fall 2015 Seattle, WA	NEW GRAD ORIENTATION LEADER, UNIVERSITY OF WASHINGTON I was one of the organizers for New Grad Orientation; I was responsible for coordinating talks from current students and faculty for incoming PhD students, organizing activities, and leading the two-day orientation.
Spring 2015 Cagliari, Italy	EURORV3 2015 Presentation: *Debugging Vega through Inspection of the Data Flow Graph*.
Spring 2014 San Diego, CA	SOUTHERN CALIFORNIA CELEBRATION FOR WOMEN IN COMPUTING Presentation: *Visualizing the Graphical Execution of Abstract Program Traces*.
Fall 2013 Los Angeles, CA	SOUTHERN CALIFORNIA PROGRAMMING LANGUAGES AND SYSTEMS WORKSHOP Presentation: *Visualizing the Graphical Execution of Abstract Program Traces*.
Fall 2013 Santa Ana, CA	ANNUAL AEROSPACE SYSTEMS & TECHNOLOGY CONFERENCE I was invited to present on my experience with amateur rocketry and the University Student Launch Initiative with the rest of my team along with the results of our scientific payload.
Fall 2011 *to* Fall 2012 Claremont, CA	ROCKETRY CLUB, HARVEY MUDD COLLEGE *Competed in the NASA Sponsored University Student Launch Initiative* I was the founder and Project Manager for a rocketry team that participated in the NASA sponsored University Student Launch Initiative to design and launch a rocket with a scientific payload.