

JANE HOFFSWELL

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EDUCATION

PhD Student Computer Science, *current*
University of Washington (UW), Seattle, WA
Advisor: Jeffrey Heer

MS Computer Science & Engineering, <i>June 2016</i> <i>University of Washington (UW), Seattle, WA</i> Advisor: Jeffrey Heer	BS Computer Science, <i>May 2014</i> <i>Harvey Mudd College (HMC), Claremont, CA</i> Advisor: Ben Wiedermann
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PUBLICATIONS

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 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 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 ratios 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.