Jen Rogers

jen@sci.utah.edu
http://vdl.sci.utah.edu/team/rogers

EDUCATION

PhD Human Centered Computing 2017-
Scientific Computing and Imaging Institute, University of Utah

MSc Medical Visualization and Human Anatomy 2015-2016
Glasgow School of Art & University of Glasgow, With Distinction

BFA Graphic Design 2010-2014
Montana State University, Highest Honors

SELECTED EXPERIENCE

Research Assistant, SCI Institute, University of Utah 2017-
Research in web-based visual applications tailored for biological data at the Scientific Computing and Imaging Institute.

Conference Technician, IEEE VIS 2020
Manage virtual streaming for conference sessions.

Publicity and Local Chair BELIV Workshop, IEEE VIS 2020
Assist in the outreach and organization of BELIV workshop at VIS

Visiting Researcher, Harmon Lab, University of Idaho 2019
Worked closely with researchers in comparative evolutionary biology to design and develop a tool for visual analysis of phylogenetic tree data.

Web Development and 3D Modeling, Imagine That 3D, 2017
Salt Lake City, UT
Web development and organic modeling for 3D printing and visualization company.

Lab at the Loft, Glasgow School of Art / Digital Health and Care Institute, 2016
Experimental hack-a-thon style design workshop to generate ideas for future projects that improve human interaction with assistive healthcare systems in the home.company web presence.

Web Development and Graphic Design, Vendor Pro, Bozeman, MT 2014-2016
Graphic design for printed material for commercial and internal services. Current redesign and development of company web presence.

COLLABORATIVE PROJECTS

Web-based annotation tool for coronavirus cell-entry animations 2020
In collaboration with the Animation Lab, School of Medicine, University of Utah and online community of structural biologists, simulators, and molecular animators.
(Animations currently not accessable to public).

Trevo: Visual tool to identify patterns in phylogenetic tree data 2019
Part of the NSF funded Multinet Graph Project, in collaboration with the University of Idaho and Kitware.
https://vdl.sci.utah.edu/Trevo/

Composer: Visual cohort comparison tool 2018
In collaboration with the University of Utah Orthopedic Center.
https://github.com/visdesignlab/Composer

TEACHING AND MENTORSHIP

Teaching Mentor, University of Utah, 2018, 2019
Visualization for Data Science (CS 6591). Organized and ran class labs. Designed and built visualization homework projects to teach Javascript and D3.

Ambassador for Urban Uprising Foundation, Glasgow, UK 2016-2017
Mentor and coach for at risk youth from Ayrshire, UK to develop their foundational skills in climbing and progress toward their NIBAS certification. Organized and participated in sea-stack expedition in Northern Scotland to raise money and awareness for the charity.

PEER-REVIEWED PUBLICATIONS

Rogers, J., Patton, A. Harmon, L. Lex, A. Meyer, M
Insights From Experiments With Rigor in an EvoBio Design Study
IEEE Transactions on Visualization and Computer Graphics (InfoVis) (to appear 2021)

Rogers, J., Spina, N., Neese, A., Hess, R., Brodke, D. and Lex, A., 2019.
Composer: Visual Cohort Analysis of Patient Outcomes.
Applied clinical informatics, 10(02), pp.278-285.

Rogers, J., Spina, N., Neese, A., Hess, R., Brodke, D. and , 2018.
Composer: Visual Cohort Analysis of Patient Outcomes
Workshop on Visual Analytics in Healthcare at AMIA (VAHC 2018).

SELECTED TALKS & PRESENTATIONS

Presenter, Workshop for VAHC 2018, San Francisco, CA, United States 11.2018
VAHC 2018: Visual Analytics in Healthcare
Presented work on "Composer" interactive cohort analysis tool developed in collaboration with the Orthopaedic Research Center, University of Utah

Poster Presenter IEEE VIS 2018, Berlin, Germany 10.2018
Presented poster for interactive cohort analysis tool developed in collaboration with the Orthopaedic Research Center, University of Utah

Poster Presenter 2017 SIGGRAPH, Los Angeles, California 08.2017
Presented poster for "Constellations of Movement", an interactive iPad application visualizing research in motor imagery decoding for the Center for Cognitive Neuroscience, University of Glasgow.

Poster Presenter and Student Grant Recipient, 2017 IS&T 01.2017
International Symposium on Electronic Imaging, Burlingame, California
Invited to present interactive poster and speak on project developing interactive application to visualize research in motor imagery decoding.

Invited Speaker Duke of Edinburgh Award Ceremony, Glasgow, UK 11.2016
Invited to speak to the attending body of the Duke of Edinburgh award ceremony on our climbing expedition to raise money and awareness for Urban Uprising Foundation.

HONORS AND SCHOLARSHIPS

Student Grant Recipient 2017 IS&T 2017

Glasgow School of Art Governors International Postgraduate Scholarship 2015

Montana State University Freshman Merit Scholarship 2010