

ANNE SPENCER ROSS

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EDUCATION

University of Washington, Seattle, WA	
Ph.D. Student, Computer Science and Engineering	2015 - present
Human-Computer Interaction and Accessibility Focus	
Colorado State University, Fort Collins, CO	
B.S. in Computer Science	2012-2014
Manga Cum Laude with Honors, GPA: 3.99	
Thesis: <i>Examination of the Dedicated Research Assistant (DESA) System Usability and Effectiveness</i>	
University of California Santa Cruz, Santa Cruz, CA	
Major: Film Production	2010-2012
Minor: Statistics	
GPA: 3.95	

CONFERENCE PUBLICATIONS

<i>Creative Writing with a Machine in the Loop: Case Studies on Slogans and Stories</i>	[under review]
Elizabeth Clark, <u>Anne Spencer Ross</u> , Chenhao Tan, Yangfeng Ji, Noah Smith	
UNDER REVIEW	
<i>Values, Identity, and Social Translucence: Neurodiverse Student Teams in Higher Education</i>	[under review]
Annuska Zolyomi, <u>Anne Spencer Ross</u> , Arpita Bhattacharya, Lauren Milne, Sean Munson	
UNDER REVIEW	
<i>Epidemiology as a Framework for Large-Scale Mobile Application Accessibility Assessment</i>	2017
<u>Anne Spencer Ross</u> , Xiaoyi Zhang, James Fogarty, Jacob O. Wobbrock	
ASSETS 2017, BEST PAPER NOMINATION	
<i>Interaction Proxies for Runtime Repair and Enhancement of Mobile Application Accessibility</i>	2017
Xiaoyi Zhang, <u>Anne Spencer Ross</u> , Anat Caspi, James Fogarty, Jacob O. Wobbrock	
CHI 2017	

JOURNAL PUBLICATIONS

<i>MEGARes: an Antimicrobial Resistance Database for High Throughput Sequencing</i>	2016
Steven M. Lakin, Chris Dean, Noelle R. Noyes, Adam Dettenwanger, <u>Anne Spencer Ross</u> , Enrique Doster	
Pablo Rovira, Zaid Abdo, Kenneth L. Jones, Jaime Ruiz, Keith E. Belk, Paul S. Morley, Christina Boucher	
NUCLEIC ACIDS RESEARCH, VOL. 45, ISSUE D1, 4 JANUARY 2017, PP. D574–D580	
<i>Tweet!—and I Can Tell How Many Followers You Have</i>	2014
Christine Klotz, <u>Annie Ross</u> , Elizabeth Clark, Craig Martell	
RECENT ADVANCES IN INFORMATION AND COMMUNICATION TECHNOLOGY, VOL. 265, PP. 245-253	
<i>P50 Sensory Gating in Infants</i>	2013
<u>Anne Spencer Ross</u> , Sharon Kay Hunter, Mark A Groth, Randal Glenn Ross	
JOURNAL OF VISUALIZED EXPERIMENTS, 50065	
<i>Assessment of Statistical Methods for Water Quality Monitoring in Maryland's Tidal Waterways</i>	2013
Rosemary K. Le, Christopher V. Rackauckas, <u>Anne S. Ross</u> , Nehemias Ulloa	
SIAM UNDERGRADUATE RESEARCH ONLINE, VOL. 6	

POSTERS AND PRESENTATIONS

<i>Supporting Equity in Smartphone Accessibility with Third-Party Repair Tools</i>	2016
Anne Spencer Ross	
SCHOLAR'S STUDIO, UNIV. OF WASHINGTON [PRESENTATION]	
<i>Supporting Equity in Smartphone Accessibility with Third-Party Repair Tools</i>	2016
Anne Spencer Ross	
ACM STUDENT RESEARCH COMPETITION, GRACE HOPPER CELEBRATION, AWARDED 2 ND PLACE, [POSTER, PRESENTATION]	

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<i>Using Bayesian Statistics on Twitter Feeds to Classify Twitter Users</i> <u>Anne Ross</u> , Elizabeth Clark, Christina Klotz, Craig Martell CELEBRATE UNDERGRADUATE RESEARCH AND CREATIVITY SHOWCASE, COLORADO STATE UNIV. [POSTER]	2014
<i>Using Bayesian Statistics on Twitter Feeds to Classify Twitter User</i> <u>Anne Ross</u> , Elizabeth Clark, Christina Klotz, Craig Martell AMERICAN MATHEMATICAL ASSOCIATION'S SECTIONAL MEETING, [PRESENTATION]	2014
<i>Water Quality Monitoring in the Chesapeake Bay</i> <u>Anne S. Ross</u> , Rosemary K. Le, Christopher V. Rackauckas, Nehemias Ulloa, Sai Popuri, Nagaraj Neerchal, Brian Smith CELEBRATE UNDERGRADUATE RESEARCH AND CREATIVITY SHOWCASE, COLORADO STATE UNIV. [POSTER]	2013
<i>A Powerful New Tool for Visualizing Water and Habitat Quality Data</i> Brian Smith, Rosemary K. Le, Christopher V. Rackauckas, <u>Anne S. Ross</u> , Nehemias Ulloa, Sai Popuri, Nagaraj Neerchal MARYLAND WATER MONITORING COUNCIL'S ANNUAL CONFERENCE [POSTER]	2012
<i>Visualization and Analysis Tool for Water Quality Monitoring in the Chesapeake Bay</i> <u>Anne S. Ross</u> , Rosemary K. Le, Christopher V. Rackauckas, Nehemias Ulloa, Sai Popuri, Nagaraj Neerchal, Brian Smith ROCKY MOUNTAIN CELEBRATION OF WOMEN IN COMPUTING [POSTER]	2012
<i>A Powerful New Tool for Visualizing Water and Habitat Quality Data</i> Brian Smith, Rosemary K. Le, Christopher V. Rackauckas, <u>Anne S. Ross</u> , Nehemias Ulloa, Sai Popuri, Nagaraj Neerchal ATLANTIC ESTUARINE RESEARCH SOCIETY FALL MEETING [POSTER]	2012
<i>Water Quality Monitoring of Maryland's Tidal Waterways</i> <u>Anne S. Ross</u> , Rosemary K. Le, Christopher V. Rackauckas, Nehemias Ulloa, Sai Popuri, Nagaraj Neerchal, Brian Smith SUMMER UNDERGRADUATE RESEARCH FEST [POSTER]	2012
<i>Using Video to Teach Research Methods</i> <u>Anne Spencer Ross</u> , Mark A Groth, Sharon Kay Hunter, Ali Newton, Kim Muhlhauser, Elizabeth Calvin, Randal Glenn Ross CONTE CENTER SUMMER RETREAT, AWARDED TOP POSTER [POSTER]	2011
<i>Chimeric Animal Stroop Task for Young Children</i> <u>Anne Spencer Ross</u> , Mark A Groth, Sharon Kay Hunter, Kim Muhlhauser, Elizabeth Calvin, Randal Glenn Ross DEVELOPMENTAL PSYCHIATRY RESEARCH LAB'S WEBSITE, UNIV. OF COLORADO DENVER [INSTRUCTIONAL VIDEO]	2011

TEACHING EXPERIENCE

University of Washington, Seattle, WA	
Teaching Assistant – “Advanced Topics in HCI” (CSE 510)	Spring 2017
Professor: James Fogarty. Aided in project feedback and assignment design.	
Mentorship	
Women in Science and Engineering Bridge REU Mentor	Summer 2017
Worked with two incoming freshmen on a summer research project, resulting in a poster and oral presentation	
Individual Students Mentored	Summer 2017
Ishaan Chainani (summer high school research intern)	
Undergraduate Mentor	2017 – present
Through the ACM-W, mentored two women undergraduate computer science students; I answered questions about school and technology careers	
Smartphone Tutor	2016 – present
Assist an individual with low-vision with learning to use a smartphone	
Computer Tutor	2012 – 2014
Assist an individual learn basic computer skills	

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PROFESSIONAL EXPERIENCE

University of Washington

Research Assistant

DUB GROUP

Advisors: James Fogarty, Jacob O. Wobbrock

2015 – *present*

Explore ways to approach, assess, and repair smartphone accessibility for people with disabilities

Mentor: Sean Munson

2016 – *present*

Explore how technology can support higher education students with Autism in teamwork settings

ARK LAB

2017

Mentor: Noah Smith

Explore how working with a machine in the loop on creative writing may help creativity

Colorado State University, HCI and AI Laboratories

2013 – 2014

Undergraduate Research Assistant

Advisors: Jamie Ruiz, Adele Howe

Designed, implemented, a personalized web search assistant and conducted usability studies

Explored using a mobile phone accelerometer and gyroscope to identify individuals and their activities

Naval Postgraduate School

Summer 2013

Naval Research Enterprise Program Intern

Investigated using Naïve Bayes classifiers to classify characteristics of Twitter users based on tweets

University of Maryland, Baltimore County

Summer 2012

Research Intern at REU Site: Interdisciplinary Program in Higher Performance Computing

Developed visualizations for and determined appropriate statistical analysis of water quality data

University of Colorado Denver

Summer 2011

Summer Education and Training Intern

Produced instructional films on research methods being used in a psychiatric lab

AWARDS AND SERVICE

Graduate Research Fellowship, *National Science Foundation*

2017

2nd Place, ACM Graduate Research Competition, *Grace Hopper Celebration of Women in Computing*

2016

CHI Student Volunteer

2016, 2017

Honorable Mention, Graduate Research Fellowship, *National Science Foundation*

2016

Wilma Bradley Endowed Fellowship in Computer Science & Engineering, *Univ. of Washington*

2015 - 2016

Natural Sciences Undergraduate Fellowship, *Colorado State Univ.*

2014

Frances Allen Scholarship in Computer Science, awarded 2 years, *Colorado State Univ.*

2013 - 2014

Dean's Honors: Fall, Spring, *Colorado State Univ.*

2012-2013

Ram Transfer Scholarship for Academic Achievement, awarded 2 years, *Colorado State Univ.*

2012-2014

Dean's Honors: Fall, Winter, and Spring, *Univ. of California Santa Cruz*

2010 – 2012