Anne Spencer Ross

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EDUCATION:

University of Washington, Seattle, WA   9/2015-*present*
Ph.D. Candidate
Computer Science and Engineering
Human-Computer Interaction Focus

Colorado State University, Fort Collins, CO   8/2012 - 12/2014
B.S. in Computer Science, Magna Cum Laude with Honors
Thesis: *Examination of Dedicated Research Assistant (DESA) System
        Usability and Effectiveness*
Major GPA: 4.0 / 4.0
Overall GPA: 3.99 / 4.0

University of California Santa Cruz, Santa Cruz, CA   9/2010 - 6/2012
Major: Film Production
Minor: Statistics
GPA: 3.95 / 4.0

University of Hawaii at Manoa, Honolulu, HI   8/2011 - 12/2011
Semester "Almost" Abroad Program
Major: Mathematics
GPA: 4.0 / 4.0

RESEARCH EXPERIENCE:

Graduate Research Assistant/   9/2015-*present*
Wilma Bradley Endowed Fellowship in Computer Science &
Engineering Fellow
Interactive Systems Lab
PI: James Fogarty, Ph.D.
*Assessing and Enhancing Mobile Applications through Pixel-Based
Methods and Community-Driven Design*

Undergraduate Research Assistant   8/2013 – 12/2015
Artificial Intelligence and Human Computer Interaction Laboratories, CSU
PIs: Adele Howe, Ph.D. and Jaime Ruiz, Ph.D.
DEdicated Search Assistant

- Design implement interface for personalized, persistent Web search assistant.
- Design and conduct usability studies to assess design and inform improvements to system

Activity and User Recognition Using Mobile Phone Accelerometer and Gyroscope
- Investigate ability to use mobile phone accelerometers and gyroscopes to identify user activity and user identity

Naval Research Enterprise Internship Program   6/2013 – 8/2013

Naval Postgraduate School, Monterey, California
PI: Craig Martell, Ph.D.
Using Bayesian Statistics on Twitter Feeds to Classify Twitter Users
- Investigated use of Naïve Bayes Classifier machine learning technique to classify characteristics of Twitter users based on text of their tweets

REU Site: Interdisciplinary Program in High Performance Computing   6/2012 – 8/2012
University of Maryland, Baltimore County, Baltimore, Maryland
PIs: Nagaraj Neerchal, Ph.D. and Matthias Gobbert, Ph.D.
Water Quality Monitoring of Maryland's Tidal Waterways
- Analyzed data provided by Maryland's Department of Natural Resources (DNR) to:
  - Assess water quality in Maryland's tidal waterways
  - Determine appropriateness of statistical methods being used
  - Create graphical user interface allowing users to easily produce visuals from DNR's water monitoring databases

Summer Education and Training Internship   6/2011 – 8/2011
Undergraduate Research Assistant
Department of Psychiatry, University of Colorado Denver
Mentors: Sharon Hunter, Ph.D. and Mark Groth
P50 Sensory Gating in Infants
- Produced instructional film on P50 sensory gating test and analysis methods being used in psychiatric lab

Chimeric Animal Stroop Task for Young Children
- Produced instructional films on administering and interpreting chimeric animal stroop task on young children methods used in psychiatric lab

PUBLICATIONS:

Peer Reviewed:

Klotz, C., ***Ross, A.,*** Clark, E., & Martell, C, "Tweet!—and I can tell how many followers you have," In *Recent Advances in Information and Communication Technology,* vol. 265, Boonkrong, Sirapat and Unger, Herwig and Meesad, Phayung, Springer International Publishing, 2014, pp. 245-253.

Ross, A., Hunter, S., Groth, M., & Ross, R. "P50 Sensory Gating in Infants". *Journal of Visualized Experiments*, 50065, 2013.
http://www.jove.com/video/50065/p50-sensory-gating-in-infants

Le, R., Rackauckas, C., ***Ross, A.***, and Ulloa, N. "Assessment of Statistical Methods for Water Quality Monitoring in Maryland's Tidal Waterways." *SIAM Undergraduate Research Online* vol. 6, Apr., 2013. http://www.siam.org/students/siuro/vol6/S01207.pdf

Technical Reports:

Le R., Rackauckas C., ***Ross A.,*** Ulloa N., Popuri S., Neerchal N., Smith B. [technical report] (2012) Water Quality Monitoring of Maryland's Tidal Waterways. Technical Report HPCF-2012-12. UMBC High Performance Computing Facility. 2012.
http://www.umbc.edu/hpcf >Publications

Ross A., Ruiz J., Howe A. (2013) Activity and User Recognition Using Mobile Phone Accelerometer and Gyroscope. Written for a Colorado State University Artificial Intelligence course honors options in Fall 2013.

Posters and Presentations:

Ross A., Klotz C., Clark E., Martell, C. (2014) Using Bayesian Statistics on Twitter Feeds to Classify Twitter Users. Presented at the Colorado State University's Celebrate Undergraduate Research and Creativity Showcase on April 17, 2014.

Ross A., Klotz C., Clark E., Martell, C. (2014) Using Bayesian Statistics on Twitter Feeds to Classify Twitter Users. Presented during the American Mathematical Association's Sectional Meeting at the University of Maryland, Baltimore County in March, 2014.

Ross A., Le R., Rackauckas C., Ulloa N., Popuri S., Neerchal N., Smith B. (2013) Water Quality Monitoring in the Chesapeake Bay. Presented at the Colorado State University's Celebrate Undergraduate Research and Creativity Showcase, on April 30, 2013.

Smith B., Le R., Rackauckas C., ***Ross A.***, Ulloa N., Popuri S., Neerchal N. (2012) A Powerful New Tool for Visualizing Water and Habitat Quality Data. Presented at the Maryland Water Monitoring Council's annual conference in December 2012.

Ross A., Le R., Rackauckas C., Ulloa N., Popuri S., Neerchal N., Smith B. (2012) Visualization and Analysis Tool for Water Quality Monitoring in the Chesapeake Bay. Presented at the Rocky Mountain Celebration of Women in Computing, on November 2, 2012.

Smith B., Le R., Rackauckas C., *Ross A.*, Ulloa N., Popuri S., Neerchal N. (2012) A Powerful New Tool for Visualizing Water and Habitat Quality Data. Presented at the Atlantic Estuarine Research Society Fall meeting in October 2012.

Le R., Rackauckas C., *Ross A.*, Ulloa N., Popuri S., Neerchal N., Smith B. (2012) Water Quality Monitoring of Maryland's Tidal Waterways. Presented at the Summer Undergraduate Research Fest (SURF) hosted by the University of Maryland, Baltimore County's College of Natural and Mathematical Sciences, August 8, 2012.

Ross A., Groth M., Hunter S., Newton A., Muhlhauser K., Calvin E., Ross R. (2011) Using Video to Teach Research Methods. Presented at the University of Colorado Conte Center Summer Retreat, August 26, 2011.

Ross A., Groth M., Hunter S., Muhlhauser K., Calvin E., Ross R. (2011) Chimeric Animal Stroop Task for Young Children. [instructional video] http://www.ucdenver.edu/academics/colleges/medicalschool/departments/psychiatry/Research/developmentalresearch/Pages/Chimeric-Animal-Stroop-Test-for-Children.aspx

HONORS AND AWARDS:

Honorable Mention: National Science Foundation Graduate Research Fellowship	2016
Wilma Bradley Endowed Fellowship in Computer Science & Engineering	9/2015-6/2016
Natural Sciences Undergraduate Fellowship	8/2014 - 12/2014
Frances Allen Scholarship in Computer Science, awarded 2 years	8/2013 - 12/2014
CSU Dean's Honors: Fall 2012, Spring 2013	8/2012 - 5/2013
Ram Transfer Scholarship awarded for academic achievement, awarded 2 years	8/2012 - 5/2014
"Top Poster" award at the Conte Center Retreat Student Research Presentation	7/2011
Dean's Honors at UCSC: Fall 2010, Winter 2011, Spring 2011, Winter 2012, Spring 2012	9/2010 - 6/2012