TRAVIS MOORE
Oregon State University, Computer Science

Degrees:
Honors B.S. in Computer Science, Oregon State University
Honors B.S. in Mathematical Science, Oregon State University
M.S. in Computer Science, Oregon State University

Advisor:
Weng-Keen Wong, PhD

Scholar Award Donor:
ESCO Corporation

About the Scholar:
Travis is working in collaboration with the Cornell Lab of Ornithology as part of their larger eBird research group. Travis is applying spatial statistical techniques to the large eBird corpus in order to automatically detect areas of high species diversity, with the goal of identifying prime areas for conservation work. He hopes to apply these techniques to weather and environmental sensor networks as well. Travis has also been involved in improving the quality of eBird data by estimating the expertise of its participants.

Benefits to Society:
Identifying areas of high bio-diversity focuses conservation efforts where they can be the most effective.

Publications and Posters:
Moore, T. and Wong, W-K. (2015). Discovering Hotspots and Coldspots of Species Richness in eBird Data. AAAI Workshop on Computational Sustainability. Available at: <http://www.aaai.org/ocs/index.php/WS/AAAIW15/paper/view/10181>.

Moore, T. and Wong, W-K. (2015). Discovering Hotspots and Coldspots of Species Richness in eBird Data. Poster at AAAI Workshop on Computational Sustainability.

Das, S., Moore, T., Wong, W-K., Stumpf, S., Oberst, I., McIntosh, K. and Burnett, M. (2013). End-user feature labeling: Supervised and semi-supervised approaches based on locally-weighted logistic regression. Artificial Intelligence, 204:56-74.

Curran, W., Moore, T., Kulesza, T., Wong, W-K., Todorovic, S., Stumpf, S., White, R., and Burnett, M. Towards Recognizing "Cool": Can End Users Help Computer Vision Recognize Subjective Attributes of Objects in Images? (2012). Proceedings of the 2012

International Conference on Intelligent User Interfaces, (pp. 285-288), New York, NY: ACM Press.

Wong, W-K., Oberst, I., Das, S., Moore, T., Stumpf, S., McIntosh, K., and Burnett, M. (2011). End-User Feature Labeling via Locally Weighted Logistic Regression. Proceedings of the Twenty-Fifth AAAI Conference on Artificial Intelligence (NECTAR Track).

Wong, W-K., Oberst, I., Das, S., Moore, T., Stumpf, S., McIntosh, K., and Burnett, M. (2011). End-User Feature Labeling: A Locally-Weighted Regression Approach. ACM International Conference on Intelligent User Interfaces, (pp. 115-124), New York, NY: ACM Press. Best Paper Nomination at IUI 2011.

Todd Kulesza, Simone Stumpf, Margaret Burnett, Weng-Keen Wong, Yann Riche, Travis Moore, Ian Oberst, Amber Shinsel, Kevin McIntosh. *Explanatory Debugging: Supporting End-User Debugging of Machine-Learned Programs.* IEEE Symposium on Visual Languages and Human-Centric Computing, Madrid, Spain, September 2010, pp. 41-48.