

Connor Greenwell

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University of Kentucky

Department of Computer Science

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Lexington, KY 40506

Education

Ph.D. Candidate, Computer Science 2016–Present

University of Kentucky; Lexington, KY

Advisor: Nathan Jacobs

Proposal title: "Probabilistic Cross-Domain Representation Learning"

B.S., Computer Science & Mathematics 2011–2016

University of Kentucky; Lexington, KY

Appointments

Graduate Research Assistant 2016–Present

Multimodal Vision Research Laboratory

University of Kentucky; Lexington, KY

ASTRO Graduate Student Researcher at ORNL Summer 2019

National Security Emerging Technologies Division,

Oak Ridge Institute for Science and Education (ORISE); Oak Ridge, TN

Advanced Short-Term Research Opportunity (ASTRO) Program

Undergraduate Research Assistant 2014–2016

University of Kentucky; Lexington, KY

Visiting Undergraduate Research Assistant Summer 2014

University of North Carolina at Charlotte; Charlotte, NC

NSF Research Experience for Undergraduates Program

Publications

Blanton, Hunter, Connor Greenwell, Scott Workman, and Nathan Jacobs. "Extending Absolute Pose Regression to Multiple Scenes". In: *Joint Workshop on Long-Term Visual Localization, Visual Odometry and Geometric and Learning-based SLAM (CVPR Workshop)*. 2020.

Workman, Scott, M. Usman Rafique, Hunter Blanton, Connor Greenwell, and Nathan Jacobs. "Single Image Cloud Detection via Multi-Image Fusion". In: *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*. 2020.

Greenwell, Connor, Scott Workman, and Nathan Jacobs. "Implicit Land Use Mapping Using Social Media Imagery". In: *IEEE Applied Imagery and Pattern Recognition (AIPR)*. 2019.

- Salem, Tawfiq, Connor Greenwell, Hunter Blanton, and Nathan Jacobs. “Learning to Map Nearly Anything”. In: *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*. 2019.
- Greenwell, Connor, Scott Workman, and Nathan Jacobs. “What Goes Where: Predicting Object Distributions From Above”. In: *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*. 2018.
- Zhai, Menghua, Tawfiq Salem, Connor Greenwell, Scott Workman, Robert Pless, and Nathan Jacobs. “Learning Geo-Temporal Image Features”. In: *British Machine Vision Conference (BMVC)*. 2018.
- Baltenberger, Ryan, Menghua Zhai, Connor Greenwell, Scott Workman, and Nathan Jacobs. “A Fast Method for Estimating Transient Scene Attributes”. In: *IEEE Winter Conference on Applications of Computer Vision (WACV)*. 2016.
- Islam, Mohammad T, Connor Greenwell, Richard Souvenir, and Nathan Jacobs. “Large-Scale Geo-Facial Image Analysis”. In: *EURASIP Journal on Image and Video Processing* (2015).
- Workman, Scott, Connor Greenwell, Menghua Zhai, Ryan Baltenberger, and Nathan Jacobs. “DeepFocal: A Method for Direct Focal Length Estimation”. In: *International Conference on Image Processing*. 2015.
- Greenwell, Connor, Scott Spurlock, Richard Souvenir, and Nathan Jacobs. “GeoFaceExplorer: Exploring the Geo-Dependence of Facial Attributes”. In: *ACM SIGSPATIAL International Workshop on Crowdsourced and Volunteered Geographic Information (GEOCROWD)*. 2014.

Talks

Implicit Land Use Mapping Through Geotagged Imagery October 15-17, 2019. IEEE Applied Imagery and Pattern Recognition Workshop.

GeoFaceExplorer: Exploring the Geo-Dependence of Facial Attributes November, 2014. ACM SIGSPATIAL International Workshop on Crowdsourced and Volunteered Geographic Information (GEOCROWD).

Reviewing

ISPRS Journal of Photogrammetry and Remote Sensing 2020–2021

AAAI Conference on Artificial Intelligence 2021

British Machine Vision Conference 2020

IEEE Winter Conference on Applications of Computer Vision 2019–2020