

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

Research and Development Intern Summer 2021

Kitware, Inc.; Clifton Park, NY

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. “GeoFace-Explorer: 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

- IEEE/CVF Conference on Computer Vision and Pattern Recognition** 2022
- 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** 2019–2022

Organizations

- ACM** 2011–Present
- IEEE** 2012–Present
- University of Kentucky Student Chapter, ACM** 2011–2015
Treasurer (2012–2013), President (2013–2014), Vice President (2014–2015)