TRAVIS FLOHR, PH.D.

ASSISTANT PROFESSOR

STUCKEMAN SCHOOL, COLLEGE OF ARTS AND ARCHITECTURE

THE PENNSYLVANIA STATE UNIVERSITY

DEPARTMENT OF LANDSCAPE ARCHITECTURE

EDUCATION

August 2011 – August 2019	**Doctor of Philosophy – The University of Colorado Denver**
August 2008 – December 2011	**Master of Science in Landscape Architecture – The Pennsylvania State University**
August 1997 – May 2002	**Professional Bachelor's in Landscape Architecture – The Pennsylvania State University**

ACADEMIC APPOINTMENTS

August 2018 - Present	**Assistant Professor – The Pennsylvania State University** Department of Landscape Architecture
January 2014 – June 2018	**Faculty Associate - University of Wisconsin-Madison** Department of Planning and Landscape Architecture
May 2013 – December 2013	**Instructor – University of Colorado Denver** Department of Landscape Architecture Department of Urban and Regional Planning
January 2012 – May 2012	**Instructor – University of Colorado Boulder** Department of Environmental Design

OTHER ACADEMIC APPOINTMENTS

May 2013 – December 2013	**Co-Principal Investigator – Visitation and Use on Boulder County's Regional Trails** The University of Colorado Boulder
May 2012 – September 2013	**Principal Investigator – Boulder Canyon User Study** The Access Fund/Boulder Climbing Community
August 2011 – December 2013	**Research Assistant – The University of Colorado Boulder and The University of Colorado Denver** Department of Environmental Design Department of Urban and Regional Planning Department of Landscape Architecture
August 2008 – August 2010	**Research Assistant – The Pennsylvania State University** Department of Landscape Architecture

PROFESSIONAL AND CONSULTING EXPERIENCE

May 2011 – March 2014	**Layout Editor Wetland Science and Practice Journal** The Pennsylvania State University
July 2013 – September 2013	**Consultant – Pea Ridge National Military Park** Computer Terrain Mapping

January 2003 – August 2008	Project Manager Frederick Seibert & Associates, Inc.
May 2002 – January 2003	Landscape Designer Frederick Seibert & Associates, Inc.

PUBLICATIONS

PEER REVIEWED JOURNAL ARTICLES AND BOOK CHAPTERS

Mainzer, S. P., C. A. Cole, & **Travis Flohr**. (2019). Deep decarbonization and renewable energy in the Appalachian Mountains (DDREAM): a socio-ecological systems approach to evaluating ecological governance. Journal of Socio-Ecological Practice Research. doi:10.1007/s42532-019-00030-6

Muller, Brian and **Travis Flohr**. "A Geodesign Approach to Environmental Design Education: Framing the Pedagogy, Evaluating the Results." *Landscape and Urban Planning – Special Issue*. 2016. 156: 101-117. DOI: https://doi.org/10.1016/j.landurbplan.2016.05.010.

Rigolon, Alessandro and **Travis Flohr**. "Access to Parks for Youth as an Environmental Justice Issue: Access Inequalities and Possible Solutions." *Buildings.* 2014; 4(2): 69-94. Invited special issue publication. DOI: https://doi.org/10.3390/buildings4020069.

Muller, Brian, **Travis Flohr** and Mehdi Heris. 2013. Urban Morphology and Heat: Exploring the Relationships. In Francesco Moccia and Maria Dederica Palenstino (ed.) *Planning Stormwater Resilient Urban Open Spaces*. CLEAN, 2013

CONFERENCE PROCEEDINGS

Flohr, Travis, Dolores Sirek, and Ross Tredinnick. "Applications of ground-based LiDAR and virtual environments in support of on-line problem-based learning." *Journal of Digital Landscape Architecture* 5-2020. doi:10.14627/537690039.

Flohr, Travis, Hong, Wu, and Tebyanian, Nastaran, (2020). "A web app for urban pollinator site assessment." *Landscape Research Record.* Accepted with minor revisions.

Murtha, Tim, Charles Golden, Ann Cyphers, Alex Klippel, and **Travis Flohr**. (2018) "Beyond inventory and mapping: LiDAR, landscape, and digital landscape architecture." *Journal of Digital Landscape Architecture.* 2018. (3), 249-259. https://doi.org/10.14627/537642027

WHITE PAPERS AND PROFESSIONAL REPORTS

Flohr, Travis and Stacey Schulte. *Visitation and Use on Boulder County's Regional Trails* (Boulder County, CO: Boulder County Parks and Open Space, 2013).

Flohr, Travis. *Boulder Canyon User Study* (Boulder, CO: Access Fund, 2013).

NON-REFEREED PUBLICATIONS

Flohr, Travis. *"Communicating Design." Landscape Architecture Foundation Blog*. Posted January 10, 2011. http://lafoundation.org/news-events/blog/2011/01/10/osp-travis-flohr/. (Invited blog post).

Flohr, Travis. "A Landscape Architect's Review of Building Information Modeling Technology." *Landscape Journal: design, planning, and management of the land* 30.1 (2011): 169-170.

Flohr, Travis, Steve Zoretich, and Andy Kalback. "Washington County Hospital" in *Celebrating 100 Years of Landscape Architecture Excellence at Penn State.* Edited by Mike Shamalla, Tim Padalino, and Adam McGuire, 62. Penn State Department of Landscape Architecture, 2007.

PRESENTATIONS

PEER REVIEWED CONFERENCES

Flohr, Travis, Dolores Sirek, and Ross Tredinnick. "Applications of ground-based LiDAR and virtual environments in support of on-line problem-based learning." *21ˢᵗ annual International Digital Landscape Architecture Conference,* June 3-5, 2020, Cambridge, MA USA (*switched to a virtual presentation due to COVID-19).

Flohr, Travis, Hong, Wu, and Tebyanian, Nastaran, (2020). "A web app for urban pollinator site assessment." *Council of Educators in Landscape Architecture Conference*, March 18-21, Louisville, KY USA. (*conference cancelled due to COVID-19).

Flohr, Travis. 2019. "Wildfire risk reduction: evaluating local government's implementation of wildfire risk reduction best practices in the American West." *Council of Educators in Landscape Architecture Conference*, March 6-9, Sacramento, CA, USA.

Flohr, Travis. "Flipping a regional design studio: teaching GIS through an applied studio project in a flipped studio setting." *Council of Educators in Landscape Architecture Conference*, March 21-25, 2018, Blacksburg, VA.

Flohr, Travis. "A path to wildfire resilient landscapes: changing the wildfire risk modeling paradigm." *Environmental Design Research Association*, May 31-June 3, 2017, Madison, WI.

Flohr, Travis. "Evaluating CWWP effectiveness: wildland fire and defensible space." *Council of Educators in Landscape Architecture Conference*, March 23-26, 2016, Salt Lake City, UT.

Rigolon, Alessandro and **Travis Flohr**. "Methodological trends in planning: qualitative approaches in transformative mixed research studies." *2014 ACSP Congress*, October 30-November 2, 2014, Philadelphia, PA.

Muller, Brian and **Travis Flohr**. "Geodesign Education…" *2014 International Association for China Planning (IACP) Conference*, October 21-22, 2014, Guangzhou, China.

Rigolon, Alessandro and **Travis Flohr**. "Exploring children and youth's accessibility to urban green spaces: a GIS study measuring access opportunities for formal and informal Play." *2013 Joint AESOP/ACSP Congress*, July 15-19, 2013, Dublin, Ireland.

Muller, Brian, Mehdi Heris, and **Travis Flohr**. "Urban Morphology and Heat: Exploring the relationships.' *2012 The Association of Collegiate Schools of Planning*, November 1-4, 2012, Cincinnati, Ohio.

Muller, Brian, **Travis Flohr**, and Mehdi Heris. "Heat and city design: reassessing the relationship between urban heat island effects and built morphology.' *2012 Association of European Schools of Planning*, July 11-15, 2012, Ankara Turkey.

Wessman, Carol, Brian Muller, Brian Buma, **Travis Flohr**, Mehdi Heris, and Mahda Mohammadbagher. "Phenology of green infrastructure in cities: A window into ecosystem services in urban environments." *2012 Ecological Society of America*, August 5-10, 2012, Portland Oregon.

Muller, Brian, Mehdi Heris, **Travis Flohr**, Saharnaz Mirzazad, Mahda Mohannadbagher, Daryoosh Ardalan, and Sam Assefa. "Measuring Sustainable Urban Form: Developing metric and indicators for the City of Boulder, CO." *52nd Annual Association of Collegiate Schools of Planning Conference: ENVISION*, October 13-16, 2011, The University of Utah.

Flohr, Travis, Timothy Joice, and Ceci Rusnak. (2010). "Encountering Czech Agricultural History in a Community Engagement Studio." *2010 Agricultural History Society Conference*, June 10-12, Winter Park, Florida.

Flohr, Travis and Timothy Murtha, Jr. (2010). "Participatory Planning: A look at website content and interactivity to maximize educational potential." *2009-2010 Council of Educators in Landscape Architecture Conference*, May 12-14, Maastricht, Netherlands.

PROFESSIONAL AND INVITED GUEST LECTURES

Flohr, Travis, Wu Hong, and Nastaran Tebyanian (2019). Addressing "The Challenge of Place in Time" with Geodesign: example of pollinator habitat resiliency." *Pennsylvania/Delaware Chapter of the American Society of Landscape Architects Annual Conference,* April 12-13. Cranberry Township, PA.

Flohr, Travis (March 7, 2017). Geodesign: a framework for evaluating design. Lecture conducted for The University of Wisconsin-Madison, Madison, WI Engineering and Professional Development Program.

Flohr, Travis. "Resilient pollination design: creating pollinator habitat typologies*." Wisconsin Chapter of the American Society of Landscape Architects Annual Conference,* March 2-3, 2017, Milwaukee, WI.

Flohr, Travis (Aug 18, 2016). Designing and planning sustainable and resilient communities. Lecture presented at the UW-Madison Landscape Architecture and Planning merger workshop. University of Wisconsin-Madison, Madison, WI.

Flohr, Travis and Michael Hinke. "Eyes on the Street: a geodesign process for evaluating eyes on the street." *esri User Conference*, July 20-24, 2015, San Diego, CA.

Flohr, Travis (Oct 16, 2015). Sustainability and resiliency: A design and landscape-planning problem? Lecture presented at the Sustainable Landscapes in the Built Environment Workshop. University of Wisconsin-Madison, Madison, WI.

Flohr, Travis (September 30, 2015). Sustainability: The role of a landscape architect and planner. Lecture conducted for the Sustainability Leadership Program – Edgewood College. Madison, WI.

Flohr, Travis. "Geodesign: new or old and UW-Madison Department of Landscape Architecture geodesign initiatives." *2015 UW-Madison Geospatial Alliance Summit*, April 20, 2015, Madison, WI.

Flohr, Travis (March 10, 2015). Geodesign: a framework for evaluating design. Lecture conducted for The University of Wisconsin-Madison, Madison, WI Engineering and Professional Development Program.

Flohr, Travis (January 30, 2015). Geodesign: A framework to evaluate design's impacts. *Landscape Inventory and Evaluation Methods*. Lecture conducted for The University of Wisconsin-Madison, Madison, WI Department of Landscape Architecture.

Flohr, Travis (November 21, 2014). Geodesign: A framework to evaluate design's impacts. *Introduction to GIS*. Lecture conducted for The University of Colorado Denver, Denver, CO Department of Landscape Architecture.

Flohr, Travis. "Flipping the classroom: teaching introduction to GIS as an applied geodesign project within Aurora, Colorado." *2014 UW-Madison Geospatial Alliance Summit*, April 24, 2014, Madison, WI.

Rigolon**,** Alessandro and **Travis Flohr.** (June 7, 2013). Access to Green Spaces for Children. *Sustainability Indicators: The City of Boulder-Environmental Design Program Partnership*. Lecture conducted for The City of Boulder Parks and Recreation Department, Boulder, CO.

Flohr, Travis and Stacey Schulte. (June 7, 2013). Trail and Recreation Use. *Sustainability Indicators: The City of Boulder-Environmental Design Program Partnership*. Lecture conducted for The University of Colorado Boulder, Boulder, CO.

Flohr, Travis and Alessandro Rigolon. (June 7, 2013). Access to Green Spaces for Children. *Sustainability Indicators: The City of Boulder-Environmental Design Program Partnership*. Lecture conducted for The University of Colorado Boulder, Boulder, CO.

Flohr, Travis. (June 7, 2013). Habitat Fragmentation and Subdivisions. *Sustainability Indicators: The City of Boulder-Environmental Design Program Partnership*. Lecture conducted for The University of Colorado Boulder, Boulder, CO.

Flohr, Travis. (April 04, 2013). GIS and Sustainable Development. *Sustainable Community Development II*. Lecture conducted for The University of Colorado Boulder, Boulder, CO.

Flohr, Travis (November 15, 2012). Environmental Impact Assessment: A case study using the Maryland Forest Conservation Ordinance. *Environmental Impact Assessment*. Lecture conducted for The University of Colorado Boulder, Boulder, CO.

Flohr, Travis. (November 14, 2012). Evaluating Design and Policies: Spatially understanding complex systems. *Introduction to GIS*. Lecture conducted for The University of Colorado Denver, Denver, CO.

POSTERS

Flohr, Travis, Doug Miller, Hong Wu, and Nastaran Tebyanian. (2019). "Computationally assessing pollinator habitat resiliency." Poster presented at the SCDC VR/AR Flash Symposium. The Pennsylvania State University, September 23-24, 2019.

Gallaher, Samuel, Alessandro Rigolon, **Travis Flohr**, and Pawinee Chuayprakong. (2013). "Bike Share Equity and Efficiency: A Mixed Methods Approach." Poster presented at the *16th Annual Research and Creative Activities Symposium*. University of Colorado, Denver, April 19, 2013.

Buma, Brian, Brian Muller, Carol Wessman, **Travis Flohr**, Mehdi Heris, and Mahda Mohammadbagher. (2012). "Assessing the Benefits of Green Infrastructure: The Dynamics of Landscape Decision, Built Morphology, and Ecosystem Services." Poster presented at the *2012 United States Regional Association of the International Association for Landscape Ecology: Informing Decisions in a Changing World Annual Symposium*. Newport, Rhode Island, April 8-12, 2012.

Buma, Brian, **Travis Flohr**, Mehdi Heris, Mahda Mohammadbagher, Daryoosh Ardalan, Brian Muller, and Carol Wessman. (2012). "Phenology of Green Infrastructure in Cities: A window into ecosystem services in urban environments." Poster presented at the *2012 Front Range Student Ecology Symposium*. Colorado State University, Fort Collins, Colorado, February 21-22, 2012.

Wessman, Carol, Brian Muller, Brian Buma, Mehdi Herris, **Travis Flohr**, Mahda Mohammadbagher, and Daryoosh Ardalan. (2012). "Phenology of Green Infrastructure in Cities: A window into ecosystem services in urban environments." Poster presented at the Spring 2012 *Cooperative Institute for Research in Environmental Sciences: Innovative Research Program Poster Session*. University of Colorado Boulder, Boulder, Colorado.

Flohr, Travis and Timothy Murtha. (2010). "Communicating Future Scenarios: Developing an interactive, participatory internet-based tool for ecological planning." Poster presented at the 2010 *Penn State Graduate Exhibition*, March 28, 2010, University Park, Pennsylvania.

EXHIBITIONS

Cole, Charles Andrew, Wu Hong, Lisa Iulo, Lisa DuRussel, Kendall Mainzer, Doug Miller, Leann Andrews, Stephen Mainzer, and **Travis Flohr.** (2020). *Ecology+Design.* Exhibited in Penn State's Sustainability Exhibition. The Pennsylvania State University, March 3-26, 2020, University Park, PA.

Flohr, Travis (2011). "LAYERS (Vrstvy)." Exhibited in *2011 Exhibition: Re-collections and Re-visions.* Curated by Cecilia Rusnak and Ann Tarantino. Vyšehrad Gallery, Prague, Czech Republic.

GRANTS, SCHOLARSHIPS, AND CONTRACTS

CURRENT

Flohr, Travis (PI) and Charles Andy Cole. (2020). *Recreation Use and Impacts to Cliff Resources in Harpers Ferry National Historical Park (HAFE), Harpers Ferry, WV*. Harpers Ferry National Historical Park (HAFE), Harpers Ferry, WV Request for Proposal. ($139,474).

Cole, Charles Andrew, William J. Doan, Lisa DuRussel, **Travis Flohr**, Lisa Iulo, Stephen Mainzer, Steven Rubin, and Dan Willis. (2020). *College or Arts and Architecture Working Group for Security Research and Education: An E+D: Ecology Plus Design Initiative – An Open Topic Grant Proposal*. Penn State Center for Security Research and Education Open Topic Research Grant. ($14,608 – not funded).

Flohr, Travis (PI) and Mehdi Heris. (2020). *Assessing urban forest mosaic patterns impacts on urban surface temperature mitigation in Baltimore, Maryland and Denver, Colorado.* The Pennsylvania State University Ecology Plus Design Mini grant ($14,000).

Flohr, Travis and Stephen Mainzer. (2019). *Engaging landscape architects in wildfire-prone landscapes: perpetuating unsafe cultural wildland norms.* The Landscape Architecture Foundation Deb Mitchell Research Grant. ($25,000 – unfunded).

Mainzer, Stephen and **Travis Flohr.** (2019). *Pennsylvania's Solar Future: Comparing Potential between Urban and Rural Areas.* The Pennsylvania State University Sustainability Institute Living Laboratory Research Grant ($10,000).

Flohr, Travis (PI). (2019) *Musser Gap to Valley Lands (MG2V) Trail Use Observational Research.* The Pennsylvania State University Undergraduate Student Involvement in Research Grant. (Requested $610, funded $610).

Mainzer, Stephen, Charles Andy Cole, and **Travis Flohr.** (2019). *Drawing down CO2e in Appalachia: evaluating carbon reduction of utility-scale solar infrastructure.* Ray C. Anderson Foundation NextGen 2019 Grant. (Requested $100,000 – not funded).

Flohr, Travis (PI), Doug Miller, (Co-PI), Wu Hong (Co-PI), and Nastaran Tebyanian (Co-PI). (2018). *Developing a computational planting design and decision-making tool for assessing and predicting pollinator habitat resilience.* The Stuckeman Center for Design Computing Interdisciplinary Project Support. (Requested $20,000, funded - $13,200).

PAST

Cole, Charles Andrew, Ph.D. (P.I.) **Travis Flohr** et. al., (Co-PI) (2018). *The Center for Ecology plus Design: an NSF-STC proposal.* The Pennsylvania State University. (down select proposal – not selected).

Flohr, Travis. (2017). *UW-Madison Professional Development Grant.* ($1,077.46 – not funded).

Bauer-Armstrong, Cheryl, Maria Moreno. Co-investigator **Travis Flohr**. (2016). *Monarch Butterfly Conservation Fund.* National Fish and Wildlife Foundation. ($310,000 – not funded).

Sirek, Dolores. Advisor and content provider: **Travis Flohr**. (2016). V*irtual reality (VR) simulation activities in online or blended learning programs and courses.* UW-Madison Education Innovation Small Grant Proposal. ($7,200).

Flohr, Travis. (2015). *Distance Teaching and Learning Conference.* Obtained a scholarship to attend the conference from the University of Wisconsin-Madison Division of Continuing Studies. ($445)

Flohr, Travis and Stacey Schulte. (2013). *Visitation and Use on Boulder County's Regional Trails.* Small Grant Proposal to Boulder County Parks and Open Space. Boulder County, Colorado. ($9,000).

Hinke, Michael, **Travis Flohr**, and Nader Afzalan. (2013). *Software Training for Designers and Planners – Department of Planning and Design, University of Colorado Denver Fall 2013.* Department of Planning and Design, College of Architecture and Planning University of Colorado, Denver. ($6,000)

Beck, Jody. (2013). *Inventory of Urban Agricultural Potential for the Denver Metropolitan Area.* Center for Faculty Development University of Colorado, Denver. ($10,000 - not funded, role of research assistant).

Derr, Victoria, John Lanterman, and **Travis Flohr**. (2013). *Sustainable and Productive Landscapes: Exploring the Potential for Learning Laboratories on the CU Campus and Boulder Community.* University of Colorado, Boulder SEED Grant Program University of Colorado, Boulder. ($47,650 - not funded).

Flohr, Travis. (2012). *Fall 2013 EPA Science to Achieve Results (STAR) Fellows.* Environmental Protection Agency. ($84,000 - not funded, received two excellent and one very good review).

Flohr, Travis. (2011). *Fall 2012 EPA Science to Achieve Results (STAR) Fellows.* Environmental Protection Agency. ($84,000 - not funded, received one excellent and two very good reviews).

TEACHING AND ADVISING

COURSES TAUGHT

The Pennsylvania State University
- Community Design
- Intellectual History and Theory of Landscape Architecture
- Landscape Systems Studio
- Landscape Systems Theory
- Planting Methods
- Skills – GIS
- Introduction to Design Visualization

University of Wisconsin-Madison

- Applications of GIS in Natural Resources
- Geodesign Methods
- Geodesign for Sustainability and Resiliency
- Geodesign Capstone
- Independent Studies – advised three different independent studies
- Open Space Design and Planning
- Regional Design Studio

University of Colorado Denver

- Introduction to GIS
- Planning Workshop for the Master of Urban and Regional Planning

University of Colorado Boulder

- Geodesign and the Web
- GIS

ADVISING AND COMMITTEE MEMBER

- MLA
  - Le Sun (expected Spring 2021, advisor)
  - Fahimeh Farhadi (expected Spring 2021, advisor)
  - Lara Garcia (expected Spring 2021, reader)
  - Emmy Titcombe (expected Spring 2022, reader)
- MSLA
  - Mahsa Adib (expected Spring 2021, co-advisor)

AWARDS AND HONORS

The American Society of Landscape Architecture Student Merit Award
Pennsylvania-Delaware Chapter
Spring 2010

Graduate Student Creative Achievement Award
The Pennsylvania State University
College of Arts and Architecture Landscape Architecture
Spring 2010

Olmsted Scholar
The Pennsylvania State University
Spring 2010

Penn State Graduate School Poster Exhibition: 2nd Place ($250.00 Prize)
The Pennsylvania State University
Spring 2010

Golden Key International Honour Society Inductee
The Pennsylvania State University
Fall 2008 - Spring 2009

SERVICE

…TO THE PROFESSION

CELA Conference Abstract Reviewer
2020, 2018, 2016, and 2011

Chesapeake Bay Trust Technical Grant Review Committee for Watershed Assistance
Fall 2018 – Primary reviewer for three grants and secondary reviewer for five grants.

Frederick Seibert & Associates, Inc. High School Student Work Study Mentor
2003 – 2008

…TO THE UNIVERSITY

University of Wisconsin-Madison

UniverCity Alliance and Year Advisory Board
Summer 2017 – Spring 2018

Landscape Master Plan Focus Group
Spring 2015

ISIS CRM Software Focus Group
Spring 2015

Online Tuition Committee
Fall 2014 – Spring 2015

…TO THE COLLEGE AND SCHOOL

Stuckeman Faculty Council
Fall 2019 – Present

Stuckeman Center for Design Computing (SCDC) Executive Committee
Fall 2020 – Present

Stuckeman Center for Design Computing Advisory Board
Fall 2018 – Present

College of Arts and Architecture Faculty Research and Creative Activities Grant Review Committee
Spring 2019

…TO THE DEPARTMENT

The Pennsylvania State University

Undergraduate Curricular Affairs: BLA assessment
Fall 2018 – Present

E+D
Fall 2019 – Present

Geodesign Advisory Board
Fall 2018 – Spring 2019

University of Wisconsin-Madison

Landscape and Urban Studies Program Envisioning Committee
Fall 2017 – Spring 2018

Undergraduate Landscape Architecture Curriculum Committee
Committee Chair: Fall 2015 – Summer 2017
2015 – 2018

Facilities Committee
Spring 2015 – 2018

Reorganization/Visioning Committee
Fall 2015 – Spring 2016

Geodesign program committee
Spring 2015 – Spring 2016

Awards, Scholarships, and Promotions Committee
Spring 2015 – Fall 2015

Website Administration
Spring 2015 – Fall 2015

LICENSES, MEMBERSHIPS, AND AFFILIATIONS

American Society of Landscape Architecture
2002-2008 and 2014-2016

Council of Landscape Architecture Registration Board
2002-2008

Registered Landscape Architect: Pennsylvania
2007 - 2013

PROFESSIONAL TRAINING

Teach Online@UW: Plan and Design
University of Wisconsin-Madison Division of Continuing Studies
Spring 2015

Wetland Delineation Field Practicum
Wetland Training Institute
May 22-23, 2004

Wetland Delineation Certification Program
Wetland Training Institute
May 17-21, 2004

Maryland Forest Conservation Qualified Professional Training
Carroll County Community College
May 17, 2003

COMPUTER SKILLS

ESRI's ArcGIS Desktop, ESRI's CityEngine, Adobe Master Collection, AutoCAD, open-source GIS (Grass and QGIS), web GIS (Google Earth, Google Maps, PostGIS/PostGRES), course management software (Blackboard, D2L, Canvas, and Moodle), SPSS, R, RStudio, Microsoft Office, SketchUP, Revit, e-on software VUE, LumenRT, Lumion, Rhino, TwinMotion, web content management (Drupal and Wordpress), lecture capture software (Adobe Captivate and Camtasia) and basic web development (HTML, HTML5, Javascript, PHP, and CSS).