

CURRICULUM VITAE

KEVIN GREGORY M^c MANIGAL

CONTACT

The University of Montana
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EDUCATION

2011: Master of Science in Geography
Emphasis in Cartography, GIS, Repeat Photography, and Glaciology
Thesis: Retracing the 1910 Carruthers Royal Geographical Society Expedition to the
Turgen Mountains of Mongolia – Reconstruction of a Century of Glacial Change
The University of Montana, Missoula MT

2006: BA in Geography, Emphasis in Cartography
Post Graduate Certificate in GIS & Remote Sensing
Minor in German
Humboldt State University, Arcata CA

PROFESSIONAL EXPERIENCE

2018-Present: Adjunct Assistant Professor in GIS and Cartography, Department of
Forest Management, University of Montana. Missoula MT.

2018-Present: Research Affiliate, Department of Geography, University of Montana.
Missoula MT.

2018-Present: Cartographic Director, Tigers Forever Operational Mapping Program,
Panthera Organization. Kenyir Taman Negara National Park, Malaysia.

2018 Spring: Subject Matter Expert, Online Curriculum Development, Data
Visualization for Business GIS, Brandman University. Irvine CA.

2017-2018: Cartographic Director, Lion Conservation Topographic Mapping Program,
Panthera Organization. Niokolo-Koba National Park, Senegal.

2012-2017: Lecturer in Cartography and GIS, Coordinator of Certificate in GIS Sciences
and Technologies, Manager of Geospatial Research and Teaching Laboratories,
Department of Geography, University of Montana. Missoula MT.

2017 Summer: Cartographer, Snow Leopard Conservation Mapping, The Bhutan Foundation. Jigme Dorji National Park, Bhutan.

2016: Cartographic Director, Tigers Forever Operational Mapping Program, Panthera Organization. Manas National Park, India.

2014-2015: Cartographic Director, Tigers Forever Operational Mapping Program, Panthera Organization. Parsa Wildlife Refuge, Nepal.

2014 Spring: GIS for Engineering Consultant and Trainer, Morrison & Maierle Inc. Helena MT.

2011-2012: Adjunct Lecturer in Cartography and GIS, Department of Geography, University of Montana. Missoula MT.

2008-2011: GIS Specialist and Cartographer, Adventure Cycling Association. Missoula MT.

2006-Present: Freelance Cartographer and GIS Consultant, Orange Peel Cartography and GIS.

2005-2006: GIS Manager and Cartographer, Trinity Reservoir Native Archeology Site Mapping, North California Wintu Tribe. Redding CA.

2006: Lead Cartographer, Art Walk Pamphlet, North Coast Open Studios. Arcata CA.

2005: Cartographer, Institute of Cartographic Design, Humboldt State University. Arcata CA.

2001-2006: Retail Sales Associate, Northern Mountain Supply. Eureka CA.

2002-2006: Rock Climbing and Sea Kayaking Guide, Center Activities HSU. Arcata CA.

1999 Summer: Sea Kayaking Guide, Pangea Adventures. Valdez AK.

1998-2001: Director of Climbing, Boojum Institute for Experiential Education. Idyllwild CA.

1997-2006: Challenge Course Facilitator and Builder, Lodestone Adventures Inc. Big Bear Lake CA.

1994-1998: Summer Camp Manager, YMCA Camp Bluff Lake. Big Bear Lake CA.

GRANTS & SCHOLARSHIPS

2018: Tigers Forever Operational Mapping, Panthera Organization.

2017: Lion Conservation Topographic Mapping, Panthera Organization.

2014-2016: Tigers Forever Operational Mapping, Panthera Organization.

2009-2011: Teaching Assistant Scholarship, University of Montana.

2010: Bertha Morton Scholarship, University of Montana.

2010: Research Scholarship, American Center for Mongolian Studies.

2010: Research Grant, Ugyen Wangchuk Institute for Conservation and Environment, Bhutan.
2010: Nikwax Mountain Award, American Alpine Club.
2010: Arthur K. Gilkey Memorial Research Grant, American Alpine Club.
2005: NSF-NASA Field Science Grant, Juneau Icefield Research Program.
2005: John L. Harper Scholarship, Humboldt State University.
2004: William L. Squire Scholarship, Humboldt State University.
2001-2003: CR Memorial Scholarship, CR Foundation League Scholarship, Ingebritson Humboldt Area Foundation Scholarship, College of the Redwoods.

AWARDS AND HONORS

2017: University of Montana, David B. Friend Memorial Award for Excellence in Teaching.
2016: University of Montana, Pinecone Award for Most Improved Website, GIS Certificate.
2011: Association of American Geographers, Mauna Kea Student Presentation Award.
2011: Association of American Geographers, Photography Competition, 3rd Place.
2010: Gamma Theta Upsilon, International Geographical Honor Society.
2010: Golden Key International Honor Society, University of Montana.
2009: Phi Kappa Phi Honor Society, University of Montana.
2006: Student of the Year, Humboldt State University.
2006: Phi Kappa Phi Honor Society, Humboldt State University.
2006: Christopherson Geosystems Paper Award, Joe Beaton Professional Poster Award, Professional Computer Displayed Map Award, California Geographic Society Conference.
2005: Christopherson Geosystems Paper Award, Joe Beaton Professional Poster Award, McKnight Professional Paper Award, California Geographic Society Conference.
2005: Outstanding Delegate, West Coast Model Arab League.
2003: Phi Theta Kappa Honor Society, College of the Redwoods.

PUBLICATIONS

McManigal, K. (2018, map included in): First Interstate Bank at Fifty – People, Place, and Purpose. 22-23 of 191.

McManigal, K. (2018): Topographic maps produced for the Lion Conservation Topographic Mapping Program sponsored by the Panthera Organization. 20 sheets published at the 1:25,000 scale covering the Niokolo-Koba National Park in Senegal.

McManigal, K. (2017): Topographic maps produced with the Bhutan Foundation for snow leopard conservation. 2 sheets published at the 1:25,000 scale covering the Jigme Dorji National Park in Bhutan.

McManigal, K. (2014-2016): Topographic maps produced for the Tigers Forever Operational Mapping program sponsored by the Panthera Organization. 32 sheets published at the 1:25,000 scale covering the Parsa Wildlife Reserve in Nepal and the Manas National Park in India.

Miyashita, M., M. Irwin, I. Wilson, and T. Vance. (2016, map included in) “Rendaku in Tōhoku Japanese: The Kahoku-chō Survey”. Sequential Voicing in Japanese: Papers from the NINJAL Rendaku Project (Studies in Language Companion Series). Eds. by Timothy Vance and Mark Irwin. Jon Benjamins. 173-193.

McManigal, K. (S 2015): “Missouri River Country, Map,” Montana’s Missouri River Country - A Journey to New Experiences, a Travel Planner. Missouri River Country, Inc. and Northern Rockies Publishing.

McManigal, K. (F 2014): “Uncrowded Montana, Map,” Adventure Cyclist Magazine.

McManigal, K. (S 2014): “Cycle Central Montana, Map,” “Cycle Greater Yellowstone, Map,” Adventure Cyclist Magazine.

Chatsis, A., M. Miyashita, D. Cole. (2013, map included in): “A documentary ethnography of a Blackfoot language course: Patterns of Variationism and Standard in the organization of diversity.” *The Persistence of Language: Constructing and confronting the past and present in the voices of Jane H. Hill*. Bischoff, et al. (eds.) Amsterdam and Philadelphia: John Benjamins. 257-290.

Miyashita, M. and A. Chatsis. (2013, map included in): “Collaborative Development of Blackfoot Language Courses.” *Language Documentation & Conservation*. Vol. 7, pp302-330.

McManigal, K., U. Kamp. (2013): *Glacier Retreat in Mongolia*. Educational pamphlet on glacier monitoring and research expeditions to the Torgen Mountains of Mongolia. Produced by the Royal Geographic Society and distributed to 650 High Schools in the U.K. as part of science education curriculum.

McManigal, K. (2013): “Map of the Blackfoot Reservations”. For a book chapter written by Professor Mizuki Miyashita.

Kamp, U., B.S. Krumwiede, K. McManigal, M. Walther & A. Dashtseren (2013): *Glaciers of Mongolia – Summary*. In: Williams, R.S., Jr. & J.G. Ferrigno (eds.), *Satellite Image Atlas of Glaciers of the World: State of the Earth’s Cryosphere at the Beginning of the 21st Century*. U.S. Geological Survey Professional Paper 1386–A, A75 and A128.

McManigal, K., et. al. (2012): Documenting glacial changes between 1910, 1970, 1992 and 2010 in the Turgen Mountains, Mongolian Altai, using repeated photographs, topographic maps and satellite imagery. *The Geographical Journal*, 179, 248-263.

McManigal, K.G., S.J. Halvorson, N. Wangdi, U. Kamp & T. Wangchuk (2012): An investigation of glacial retreat and impacts on water security in Lunana Valley, Bhutan. *Himalaya*, 31, 52-54.

McManigal, K. (2012): Practical Cartographer's Corner, Graphic Styles and the Appearance Pallet in Illustrator CS5. *Cartographic Perspectives*, Number 69-Spring.

McManigal, K. (2012): "Mongolia by Bike, Map," "In the Land of the Long White Cloud - NZ, Map," "The Canadian Flathead, Map." *Adventure Cyclist Magazine*.

McManigal, K. (2011): "Swiss Alpine Bike Route #1, Map," "Lee's Retreat form Gettysburg, Map," "Grant's Advance on Vicksburg, Map." *Adventure Cyclist Magazine*.

TRAININGS

Class B-M1 Commercial Driver License

Montana DMV, expires July 2023

Wilderness First Aid Certificate

NOLS, expires May 2018

Health Care Provider CPR

American Heart Association, expires May 2018

ESRI: Building Geodatabases

Marion OH, March 2009

Scientific Scuba Diver Certification

NAUI Worldwide, May 2006

Level 1 Avalanche Course

Alpine Skills International, AAAP, AIARE, March 2000

Small Craft, Open Water Safety Course

United States Coast Guard, June 1999

Business and Employee Management Seminar

American Camping Association, February 1997

Camp Director Certification

American Camping Association, January 1997

MEMBERSHIPS

Adventure Cycling Association

American Alpine Club

American Center for Mongolian Studies

American Sailing Association
Association of American Geographers
Gamma Theta Upsilon
California Geographic Society
International Commission on Mountain Cartography
Montana Association of Geographic Information Professionals
North American Cartographic Information Society
Phi Kappa Phi Honor Society
Phi Theta Kappa Honor Society
Society for Conservation GIS
University of Montana Geography Club

REFERENCES

Dr. Anna Klene	University of Montana, Remote Sensing Specialist
Phone Number:	513-702-5356
Email Address:	anna.klene@mso.umt.edu
Reference Type:	Academic
Dr. Stephen Cunha	Humboldt State University, Geography Chair (Retired)
Phone Number:	707-826-4975
Email Address:	sc10@humboldt.edu
Reference Type:	Academic
Carla Majernik	Adventure Cycling Assoc., Cartography Director
Phone Number:	(406) 721-1776, ext. 218
Email Address:	cmajernik@adventurecycling.org
Reference Type:	Professional
Dr. Hugh Robinson	Panthera, Landscape Analysis Lab, Director
Phone Number:	406-243-2876
Email Address:	hrobinson@panthera.org
Reference Type:	Professional
Don Andrews	HSU English Language Institute, Director (Retired)
Phone Number:	707-826-5878
Email Address:	andrews.donald@rocketmail.com
Reference Type:	Personal
Joseph Scanlon	American School of Paris, Science Teacher
Phone Number:	33 62-651-7332
Email Address:	jscanlon3@gmail.com
Reference Type:	Personal