Qing Liu

Department of Geography & the Environment, University of Denver, Denver, CO   80208

EDUCATION BACKGROUND

2010.9–Present   **Ph.D. Student in Geography**
Department of Geography & the Environment
University of Denver (Denver, Colorado, USA)
Current Overall GPA: 3.80

2008.8–2009.12   **Master of Science in Geographic Information Science**
Department of Geography
Florida State University (Tallahassee, Florida, USA)
Overall GPA: 3.90

2002.9 – 2006.7   **Bachelor of Science in Geographic Information Systems**
Department of Geography
Nanjing Normal University (Nanjing, Jiangsu, China)
Overall GPA: 84.92/100   Major GPA: 88.08/100

PROFESSIONAL EXPERIENCES

2012.6   **Geospatial System Developer**
– Present   The Piton Foundation, Denver, CO
• Development of tools and applications to assist in the implementation of Foundation initiatives and related projects.
• Maintenance and administration of Piton's data warehouse
•,Information management
• Data analysis in support of applied research activities.

2014.6   **Research Assistant**
– Present   Department of Geography & the Environment, University of Denver, Denver, CO
• Participating in the development of a remote interactive visualization client for interpreting large spatial-temporal scientific data utilizing cloud computational cluster from dynamically configured remote server.

2014.4   **Student Representative and Board Member**
– Present   Rocky Mountain Urban and Regional Information Systems Association (RM-URISA),
Denver, CO
• Participating in organizing RM-URISA activities, including organization development, conferences and events, and student engagement.
• Teaching RM-URISA workshop Python Basics and Python for ArcGIS series

2012.5	**Student Developer**
– 2012.9	Google Inc., Mountain View, CA
	• Google Summer of Code 2012 Student for OSGeo (The Open Source Geospatial Foundation) working on distance analysis tools for PostGIS Raster
2011.6	**GIS Intern**
– 2012.5	Denver Regional Council of Governments (DRCOG), Denver, CO
	• Participated in DRCOG Built Environment Project, building land use allocation model to complement the FOCUS travel model
	• Assembled Parcels / Land Use Inventory for Denver regional area
2009.8	**GIS Programmer**
– 2010.6	Florida Resources and Environmental Analysis Center (FREAC), Tallahassee, FL
	• Developed database driven GIS web applications
	• Developed Florida Images Inventory site and Florida LIDAR Data Inventory site
	• Participated in developing "iMap Invasives" openlayer GIS web application for geo-tracking invasive exotic species in New York, Florida and Virginia
	• Participated in developing Florida 2010 Census Rapid Response Project
	• Participated in reconstructing Florida Land Boundary Information System website
Summer 2009	**Summer Internship**
	Florida Resources and Environmental Analysis Center (FREAC), Tallahassee, FL
	• Geo-referenced Florida quad topographic images
	• Redesigned and rebuilt "Apalachee Bay – Recollections and Changes" website
2006.6	**Internship**
– 2006.9	Nanjing Automation Institute of Water Conservancy and Hydrology, Ministry of Water Resource, Nanjing, China
	• Participated in developing Flood Control Decision Support System for Nanhui District in Shanghai, China
Summer 2004	**Research Assistant**
	Department of Geography, Nanjing Normal University, Nanjing, China
	• Participated in developing Campus Electronic Mapping System Based on Voice Navigation
	• Set up research activity of analyzing and providing decision support on rationality of hospital distribution in Gulou District, Nanjing, China

HONORS

Graduate Studies Doctoral Fellowship for Inclusive Engagement	2012, University of Denver
Dean's List Award	2009, Florida State University
Nanjing Normal University Scholarship Second Prize, 6 consecutive semesters	2004-2006, China
Nanjing Normal University Social Practice "Outstanding Individual Award"	2004, China

CONFERENCE PUBLICATION

Liu, Qing; Sutton, Paul C.; Elvidge, Christopher D. (2011) *Relationships between Nighttime Imagery*
and Population Density for Hong Kong Proceedings of the Asia-Pacific Advanced Network (APAN)
31st Asia-Pacific Advanced Network Meeting
http://usymposia.upm.my/index.php/APAN_Proceedings/31st_APAN/paper/view/107

CONFERENCE PRESENTATIONS

• Conference presentation at FOSS4G 2013
  Annual International Conference of Free and Open Source Software for Geospatial
 "Making Nocturnal Light Data More Accessible"
http://prezi.com/1f_xt-smefuc/?utm_campaign=share&utm_medium=copy

• Conference presentation at AAG Annual Metting 2012
  "Mapping Intra-Urban Land Use in Metropolitan Denver Area using Nocturnal Photography"
http://mysite.du.edu/~qliu4/aag/

• Conference presentation at State Of The Map 2011 - The 5th Annual International OpenStreetMap
Conference 2011, Denver, Colorado, U.S.A.

"The use of OpenStreetMap Registering Night-time International Space Station Photographs "

http://www.fosslc.org/drupal/content/use-osm-registering-night-time-int%E2%80%99l-space-station-photographs

• Conference presentation at 31st Asia-Pacific Advanced Network (APAN) 2011, Hong Kong, China

"Relationships between Nighttime Imagery and Population Density for Hong Kong "

http://www.apan.net/meetings/HongKong2011/Session/Slides/DMSP/4.pdf

MEMBERSHIP OF PROFESSIONAL SOCITIES

2010–Present	Association of American Geographers (AAG)
2014-Present	Rocky Mountain Urban and Regional Information Systems Association (RM-URISA)
2014–Present	National Neighborhood Indicators Partnership
2010–Present	Great Plains/Rocky Mountains Division of Association of American Geographers (GPRMAAG)
2009	South Eastern Division of the Association of American Geographers (SEDAAG)
2008–Present	American Society for Photogrammetry and Remote Sensing (ASPRS)

MISCELLANEOUS

GIS and Image Processing Software	ESRI ArcGIS 8.1, 9.3, 10.1, 10.2, 10.3 / ArcGIS Pro / ArcInfo Desktop Suite / ArcView 3.2 / Quantum GIS ERDAS IMAGINE 9.1, ENVI 4.2 IDRISI Andes, IDRISI Taiga, TransCAD, GeoDa, VirtuoZo, Multigen-Paradigm
Other Software	JMP 9, R, SPSS, AutoCAD, Macro Media Flash MX, PostgreSQL, PostGIS Microsoft Office Suite – Word, Excel, Access, PowerPoint, etc
Computer Programming Skills	VB6 / VB.NET / VBA / Arc Objects C Language / Visual C++ / C#.NET Python / Django / HTML / CSS / Javascript PL/pgSQL Flex / ActionScript / ArcGIS API for Flex / ArcGIS JavaScript API
Languages	English Chinese(Mandarin) - Native Language Japanese - Fair Reading and Spoken