P. WILLIAM LIMPISATHIAN

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EDUCATION

The Pennsylvania State University – University Park, PA
M.S. in Geography   **2017 (anticipated)**
Areas of Concentration: GIScience and Cartography
Thesis: Towards ContrastBrewer: Evaluating visual contrast and hierarchy
relations of cartographic features across multi-scale map displays

The Pennsylvania State University – University Park, PA
B.S. with Distinction (cum laude) in Geography – GIScience Option   **2015**
Areas of Concentration: Cartography, Geovisualization
Minor: Information Sciences and Technology for Earth and Mineral Sciences

GRANTS, AWARDS AND HONORS

C. Gregory Knight Endowment in Geography	**2015**
College of Earth and Mineral Sciences Dean's List (all semesters)	**2011 - 2015**
Agricultural Research Development Agency - Royal Thai Government Scholarship	**2011**
His Majesty the King of Thailand Royal Student Achievement Award and Scholarship	**2009**

PROFESSIONAL EXPERIENCES

Department of Geography, the College of Earth and Mineral Sciences, University Park, PA

Graduate Research Assistant to Professor Donna Peuquet   **May 2016 – August 2016**
Review, update and improve course materials and assignments for the "Mapping
Our Changing World" introduction to GIS online course.
Plan and develop course material, outline and structure for a future intermediate
resident GIS course.
Conducted a review of advanced-level geographic courses for department-level
curriculum assessment and long-term planning.

Graduate Research Assistant to Professor Robert Brooks   **January 2016 – May 2016**
Assisted with research related to watershed, floodplains and riparian conservation
and protection as part of a research grant.
Gathered GIS data from wide range of sources and processed data for spatial
analysis.
Conducted analysis of historical river discharge data to support hydrographic survey
research.

Graduate Research Assistant to Assistant Professor Kirby Calvert   **August 2015 – December 2015**
Assisted with research related to development of abandoned agriculture lands for
energy purposes as part of a research grant.
Gathered GIS data from wide range of sources and processed data for spatial
analysis.
Processed statistical data of land cover raster data to infer energy production
potentials.

Undergraduate Research Assistant to Assistant Professor Kirby Calvert   **January 2015 – August 2015**
Assisted with research related to historical resource flow and distribution.
Gathered GIS data from wide range of sources and process data for basemap
generation for use in energy mapping.
Processed raw statistical data of energy resource flow and distribution to create
temporal flow maps.

Undergraduate Research Assistant to Professor Cynthia Brewer   **June 2014 – August 2015**
Assisted with cartographic research on map symbology design.
Gathered GIS data from wide range of sources and processed those data into custom
cartographic figures and maps.
Assisted in execution of project to publish new edition of Dr. Brewer's Designing
Better Maps book with ESRI.

The Peter R. Gould Center Undergraduate Internship   **January 2014 – August 2015**
Principal student cartographer tasked with producing high quality custom
cartography and maps for specific needs of clients.
Interacted and coordinated with individual clients regarding cartographic
specifications and content requirements for each project.
Projects includes small-scale cartographic for professors, researchers or units of
the university and large-scale project for national clients like NPS, USGS,
UNESCO

ACADEMIC PUBLICATIONS, PRESENTATIONS AND PAPERS

* Denotes Limpisathian as presenter

"Shifting Gears: The Cartographic Implications and Opportunities of Recent Developments in Automotive GIS and Autonomous Vehicle Technologies"
P.W. Limpisathian
Presentation at the annual meeting of the Association of American
Geographers, San Francisco, CA *   **April 2016**

"Spatial Analysis of Bio-refining Potential in the Northeast U.S."
P.W. Limpisathian, R.E. Baxter and K. Calvert
Poster presented at the annual meeting of the Association of American
Geographers, San Francisco, CA *   **March 2016**

"Planning for Automated Labeling of U.S. Routes with Multiple Shields and Names"
C. Brewer, E. Guidero, K. Fishburn, **P.W. Limpisathian**, and W. Chittester
Presentation at the annual meeting of the North American Cartographic
Information Society (NACIS), Minneapolis, MN   **October 2015**

"Custom Cartography of Frank Lloyd Wright Sites for UNESCO World Heritage Nomination"
P.W. Limpisathian, C. Brewer and S.W. Perkins
Poster presented at the annual meeting of the North American Cartographic
Information Society (NACIS), Minneapolis, MN *   **October 2015**
Based on ICC2015 proceedings paper.

"Custom Cartography of Frank Lloyd Wright Sites for UNESCO World Heritage Nomination"
C. Brewer, **P.W. Limpisathian**, and S.W. Perkins
Presentation at the International Cartographic Conference 2015 (ICC2015), Rio
de Janeiro, Brazil   **August 2015**
   Based on ICC2015 proceedings paper.

"Custom Cartography of Frank Lloyd Wright Sites for UNESCO World Heritage Nomination"
P.W. Limpisathian, C. Brewer and S.W. Perkins
Paper at the International Cartographic Conference 2015 (ICC2015), Rio de
Janeiro, Brazil   **August 2015**

"Making a New Edition of Designing Better Maps"
C. Brewer, E. Guidero, A. Dennis, **P.W. Limpisathian**, C. Frye, P. Raposo
Presentation at the annual meeting of the Association of American
Geographers, Chicago, IL   **April 2015**

"Custom Cartography of Frank Lloyd Wright Sites for UNESCO World Heritage Nomination"
P.W. Limpisathian, C. Brewer, H. Clauss and S.W. Perkins
Illustrated paper presented at the annual meeting of the Association of
American Geographers, Chicago, IL *   **April 2015**
   Based on ICC2015 proceedings paper.

CARTOGRAPHIC PUBLICATIONS AND CONTRIBUTIONS

"Designing Better Maps: A Guide for GIS Users, Second Edition"
Contributing Cartographer, Book by Cynthia A. Brewer, Esri Press   **January 2016**

"Nomination to the World Heritage List by the United States of America: Key Works of Modern Architecture by Frank Lloyd Wright"
Principal Cartographer, Nomination Dossier by Frank Lloyd Wright Building
Conservancy and US National Park Service   **August 2015**

TEACHING EXPERIENCES

The Pennsylvania State University, University Park, PA
Graduate Teaching Assistant to Dr. Justine Blanford "Geospatial Analytics"   **Fall 2016**
Managed and taught lab sections on spatial statistics and geospatial analysis.
Oversaw office hours and extended lab sessions to assist students requiring
additional help outside of class time.

Undergraduate Teaching Assistant to Professor Rudy Slingerland in "ArcGIS for Geologic Mapping"   **Spring 2014**
Assisted students with lab assignments and class projects.
Oversaw special office hours and extended lab sessions to assist students
requiring additional help outside of class time.

Undergraduate Teaching Intern to Professor Cynthia Brewer in "Introduction to Cartography"   **Fall 2013**
Co-conducted lab sessions, helped students with lab assignments and projects
as part of a comprehensive teaching internship experience.

LANGUAGES

English – native language/bilingual
Thai – native language/bilingual

MEMBERSHIPS AND SERVICES

Alpha Tau Chapter, Gamma Theta Upsilon Geography Honor Society and Professional Fraternity (GTU)
North American Cartographic Information Society (NACIS)
Association of American Geographers (AAG)
Undergraduates of the Department of Geography (UnderDOG)
Geospatial Information Science Coalition (GIS Coalition)
Thai Student Association (ThSA), The Pennsylvania State University
Supporting Women in Geography (SWIG) Chapter at The Pennsylvania State University
No)Boundaries Conference Organizing Committee (No)Bo Conference)

TECHNICAL SKILLS

GIS & Cartography Software: ArcGIS Suite (ArcMap applications, ArcGIS Pro, ArcGIS Online), Adobe Illustrator, Adobe Photoshop, GeoDa, Google Map Maker, HERE Map Creator, IDLE, Inkscape, LP360, Microsoft Access, Microsoft Excel, Microsoft SQL Server Management Studio, Microsoft Visio, Minitab, Notepad++, RStudio, SPSS
Previous Programming Experiences: HTML, PHP, PYTHON, R, SQL