



SELECTED WORKS

Norman Wong

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337 Charles E Young Dr N
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- Anastasia Loukaitou-Sideris, Aditya Medury, Camille Fink, Offer Grembek, Kevan Shafizadeh, Norman Wong & Phyllis Orrick (2014). Crashes on and Near College Campuses: A Comparative Analysis of Pedestrian and Bicyclist Safety, *Journal of the American Planning Association*, 80:3, 198-217
- J.R. DeShazo, Norman Wong, Ayala Ben-Yehuda, Susan Woodward, Vicky Hsu, Jon Overman, Tamar Sarkisian, Brett Williams (2012). *Southern California Plug-in Electric Vehicle Atlas*. UCLA Luskin Center for Innovation.

PROFESSIONAL PREPARATION

2002

BS, Mathematics of Computation

University of California, Los Angeles; Minor: Geography

EXPERIENCE

Lecturer
2013–Present

- UP 206A (Spring 2016) – Intro to GIS (Co-taught)
- UP 206B (Spring 2015) – Advanced GIS (Co-taught)
- PP 224A/UP206A (Spring 2015) – Intro to GIS (Co-taught)
- UP 206A/PP224A (Winter 2015) – Intro to GIS (Co-taught)
- UP 206A/PP224A (Summer 2014) – Intro to GIS (Co-taught)
- PP 224A/UP206A (Spring 2014) – Intro to GIS (Co-taught)
- SW 241G (Winter 2013) – Community Mapping (Co-taught)

GIS Program Manager/
Information Technology &
Data Manager
2011–Present

- **REVISION** (2013 – Present): Technical lead to create web-based performance monitoring tool to assess sustainable strategies for SCAG. Technologies used: SQL Server/PostgreSQL, Javascript, HTML
- **Bicycle Data Clearinghouse** (2012 – Present): Creation of interactive web-based bicycle clearinghouse for LA County to house, view, and upload bike count data. Technologies used: SQL Server, Javascript, HTML, C# .NET
- **RSBCIHI** (2011 – Present): Assist Riverside-San Bernardino County Indian Health, Inc. to identify at-risk communities by using spatial analysis to determine the penetration and distribution of existing programs. Technologies used: ArcGIS Explorer, ArcMap
- **CARB Displacement Project** (2014): Cleaned and analyzed large, fine-scaled time-series datasets (parcel, census block, and home loans) to look at changes around TOD areas. Technologies used: SAS, SQL, ArcMap
- **Tri-Campus Safety** (2012 – 2013): Implemented online survey application with spatial component to identify accident locations and perceived hot-spots at UCLA, UCB, and CSU Sacramento. Technologies used: PHP, MySQL, ArcMap
- **SCAG PEV** (2012 – 2013): Performed spatial analysis to help determine optimum locations to place electric vehicle charging stations in the SCAG region. Technologies used: ArcMap

EXPERIENCE continued

Programmer Analyst II
2006–2010

- **EPIC/TASC** (2011 – 2012): Designed and built an online tool (website) to help transit agencies understand riders' experience at transit stops and stations. The information would be used to develop priorities in stop/station upgrades. Transit agencies collect data from their riders at their transit stops/stations and conduct a transit station inventory. The data is uploaded and analyzed on-the-fly. Results are viewable online or exported to an Excel spreadsheet for further analysis. Technologies used: SQL Server, Coldfusion
- **KERNCOG RTMIS** (2010 – 2011): Converted and redesigned KERNCOG's legacy ArcIMS-based traffic count web application, RTMIS, to use ESRI's enterprise ArcGIS Server. New application featured "Google Maps"-like navigation and faster load times. Moving to ArcGIS Server also allowed for streamlined updates of the spatial and attribute data. Technologies used: SQL Server, C# .NET, ArcGIS Server, HTML
- **CALOTS** (2006 – 2013): Developed comprehensive 6-county web application for SCAG to look at region-wide and neighborhood-level planning. Technologies used: SQL Server, Coldfusion, Javascript, HTML
- **SNAP** (2008 – 2009): Co-developer of a web application for the County of Los Angeles to facilitate the planning and implementation of disaster response by first-responder agencies to Specific Needs persons living in the County. Technologies used: SQL Server, ArcGIS Server, ArcMap, Coldfusion, Javascript, HTML
- **Smart Growth Inventory** (2009): This project is a comprehensive "Smart Growth Inventory" of the areas surrounding the City of Los Angeles' existing and planned 46 rail stations. Created a module which linked Google Streetview Images and Microsoft/Bing Aerial and Bird's Eye imagery to each parcel in a quarter-mile area around each station. Technologies used: SQL Server, ArcGIS Server, ArcMap, Coldfusion, Javascript, HTML
- **LILA** (2007-2008): Converted mapping portion of website to use Microsoft Virtual Earth API in order to improve map usability and utilize updated aerial/bird's eye imagery from Microsoft. LILA was a consumer-directed and regionally focused online project to benefit people with disabilities living in Los Angeles County. Technologies used: SQL Server, ArcGIS Server, ArcMap, Coldfusion, Javascript, HTML
- **LA County Urban Infill Project** (2007 – 2008): Developed an online module to estimate the infill potential of industrially-designated land in unincorporated LA County for the County of Los Angeles and SCAG. Prepared/formatted final report to the County and SCAG. Technologies used: SQL Server, ArcGIS Server, ArcMap, Coldfusion, Javascript, HTML
- **Languages:** HTML, Perl, Coldfusion, FLEX, Javascript, SQL, .NET, VB, Actionscript, Python, Fortran, C/C++, C#
- **Software:** ESRI ArcGIS, Microsoft line of operating systems (MS Server 2000-2008), MS SQL Server 2000 – 2012, MS Office Suite, Adobe Suite (Photoshop, Illustrator, Pagemaker/InDesign, Acrobat), Coldfusion Studio, Dreamweaver, Mathematica, MatLab, Maple, SAS, EndNote, familiarity with STATA and Crystal Reports
- **Hardware:** PC's, Mac's, familiarity with UNIX machines, wired/wireless LAN/WAN networking using TCP/IP and Ethernet

TECHNICAL SKILLS