

Bryan Goodrich

[Personal Contact Information Removed From Online Copy]

Education

Associates of Science	Geographic Information Systems American River College, Sacramento, California	2012 (expected)
Bachelor of Arts	Applied Mathematics and Statistics California State University, Sacramento, California	2009
Master of Science (left program)	Agricultural and Resource Economics University of California, Davis, California	2009
Associates of Science	Computer Network Management American River College, Sacramento, California	2006

Professional Experience

Secretary-Treasurer	Sacramento Area Student Chapter American Society for Photogrammetry & Remote Sensing	2012
Student Assistant	Research Division California Air Resources Board, Sacramento, California	2008 - present
	<ul style="list-style-type: none">• Coded R and SAS scripts to manipulate, organize, and prepare data for analysis. Perform descriptive statistics. Establish databases or data files. Run trend analyses. Visualize results and present to management.• Self-taught R and SAS. Independently learned Python, Linux and Windows (batch) scripting, and VBA to better facilitate data processing.• Managed section bibliographic libraries with Endnote and Zotero for literature search and reviews	
Student Assistant	Center for Practical and Professional Ethics California State University, Sacramento, California	2007 - 2009
	<ul style="list-style-type: none">• Maintained Center website, adding HTML and Java Script content to improve display and information.• Prepared presentation fliers to distribute for events.	
Student Assistant	Office of Information Services California Air Resources Board, Sacramento, California	2006
	<ul style="list-style-type: none">• Desktop-user support.• Helped roll-out hardware and software updates to on-site and off-site facilities.• Helped set up Linux server on intranet for internal OIS use.	

Educational Experience

- Online Courses ESRI Web Training (85+ hours). 2011
- Python-Centric: Using Python in ArcGIS Desktop 10, Basics of Python for ArcGIS 10, and Python Scripting for Map Automation in ArcGIS 10
 - Geodatabase-Centric: Creating, Editing, and Managing Geodatabases for ArcGIS Desktop; Creating and Editing Geodatabase Topology with ArcGIS Desktop; Creating and Editing Geodatabase Features with ArcGIS Desktop.
 - Geoprocessing-Centric: Introduction to ArcGIS 9 Geostatistical Analyst. Geoprocessing with ArcGIS Desktop.
- Graduate Courses University of California, Davis 2009
- Microeconomic Analysis
 - Applied Econometrics
- Technical Courses American River College 2000 - 2006
- Database programming (Oracle)
 - Design and Development of Desktop Database Applications (MS Access 2003)
 - Structured Programming (C/C++)
 - Object-Oriented Programming (Java)

Publications

- Yap PS, Gilbreath S, Garcia C, Goodrich B, Jareen N. The influence of socioeconomic markers on the association between PM 2.5 and hospital admissions for respiratory conditions among children. Submitted to the *American Journal of Public Health*. 2011.

Presentations

- Yap PS, Gilbreath S, Garcia C, Goodrich B. Association among socioeconomic factors, acute PM 2.5 exposure, and cause-specific mortality. Poster presented at: American Public Health Association Annual Meeting; October 25—29, 2008; San Diego, California.
- Yap PS, Gilbreath S, Garcia C, Goodrich B. The role of socioeconomic status as a component of susceptibility in acute PM 2.5 exposure and childhood mortality and morbidity. Poster presented at: International Society of Environmental Epidemiology Annual Meeting; October, 2008; Pasadena, California.

Honors and Associations

American Society for Photogrammetry and Remote Sensing
Graduated Cum Laude, California State University, Sacramento.
Omicron Delta Epsilon—The International Economics Honor Society.
Golden Key International Honour Society.

Statistical Knowledge

General: Hypothesis testing, estimation, statistical programming and computation, and data exploration and visualization.

Methods: Multiple regression, logistic regression, and ANOVA.

Software: R and SAS. Basic experience with SPSS and Minitab.

Technological Background

Databases: Oracle, MySQL, SQLite, and Esri Geodatabase.

Languages: R, SAS, Python, Java, C, C++, VBA, JScript, JavaScript, Matlab, awk, HTML/CSS, XML, JSON.

Geographic Information Systems: ArcGIS 9.3/10, geodatabase topology and domains, geostatistics and spatial analysis.

Document editors: LaTeX, MS Word, and OpenOffice.

Bibliographic management: Endnote and Zotero.