
GARRET ROLAND LUM

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OBJECTIVE	To utilize my training and experience with scientific methods to research and consult on human health and health-care related issues.
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EXPERIENCE	District of Columbia Department of Health , Washington, DC Bureau of Epidemiology and Health Risk Assessment Division of Disease Surveillance and Investigation Epidemiologist	2003-present
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Daily bioterrorism monitoring using a syndromic surveillance system. Editor of the Bureau's newsletter for dissemination of health information. Drafted guidelines for SARS surveillance and investigation and general disease investigation for the District of Columbia. Study design and implementation to address health issues of the District's residents. Participant in the development team for the Washington DC Automated Disease Surveillance System (WADSS), a National Electronic Telecommunications System for Surveillance (NETSS) compliant system for the monitoring of the health status of the District's residents.

ACS Federal Healthcare/Birch and Davis, Inc. , Washington, DC Army Medical Surveillance Activity Walter Reed Army Medical Center Epidemiologist	2001-2003
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Accessing the Defense Medical Surveillance System for the analysis of all military health related data using SQL plus and SAS (v. 8.12). Analyzing data and writing reports for decision makers in regard to the health status of military personnel during times of no conflicts. Producing articles for the military's version of the Morbidity and Mortality Weekly Report called the Medical Surveillance Monthly Report.

The George Washington University , Washington, DC School of Public Health and Health Services Department of Environmental and Occupational Health Research Assistant	1998-2001
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Assist with the implementation of a 5-year cooperative agreement with the United States Environmental Protection Agency to help set new standards and regulations pertaining to water quality issues. Designed the cooperative agreement, Department of Environmental and Occupational Health, and Center for Risk Science and Public Health websites. Maintain a database of collected literature relevant to our work. For specific projects, conducted literature searches and reviews and produced review documents. Developed conference, meeting, and course packets relevant to risk assessment. Analyzed data using SAS (Statistical Analysis Software).

Asian and Pacific Islander Partnership for Health , Washington, DC Epidemiologist	1999
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Signed a short-term contract to create an epidemiological profile on Asians and Pacific Islanders living in the Washington, DC Metro area. Produced a final report to be distributed nationally. Report answered four questions: what are the sociodemographic characteristics of the population, what is the impact of HIV/AIDS on the population, who is at risk for becoming infected with HIV, and what is the geographic distribution of HIV infection? The report included tables and graphs with interpretive text. Gathered data from national and local sources, conducted literature research, identified data gaps, gave written and oral presentations, and made recommendations for future action.

King American Ambulance Company , San Francisco, CA Emergency Medical Technician	1995-1997
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Emergency medical patient care in an urban community setting. Selected to be part of a specialized unit of a neonatal ground and air transport team in northern California. Required training and operation of a neonatal ventilator.

EDUCATION**The George Washington University
School of Public Health and Health Services, Washington, DC**
Master of Public Health, May 2000

- Concentration in Epidemiology/Biostatistics
- Master's Special Project titled, Pilot Study on the Treatment of Acute Non-traumatic Low Back Injury. Involved designing a case-series follow-up study, to collect data on Emergency Department (ED) low back pain patients and assess recovery with the use of current treatment methods. Required to write a research proposal and prepare an IRB submission in the Medical Center Office of Human Research. Upon approval of the protocol by the IRB, data was collected directly from the ED. Patient follow-up survey was conducted by telephone interview. Analyzed and managed data. Created evaluation instruments such as a chart abstraction form and a telephone follow-up survey. In addition, the pilot study required literature research and written and oral presentations.
- Elected as the president of the Public Health Student Association to preside over an assembly of 450 students. Created opportunities in academic, professional, and personal development for the student body. For example, performed community outreach through an "Adopt-a-Family" project. Worked in conjunction with a local organization, Bread for the City, to bring holiday cheer to the underserved population of Washington, DC. Collaborated with the School's administrative personnel to plan, organize, and implement a site visit by a school accreditation council. Conducted a student satisfaction survey with results presented at a faculty/student leadership retreat. Organized, planned and implemented a multicultural event of dancing, music, food, art, and artifacts for the medical center faculty, staff, and student body.
- Co-chair of the School of Public Health and Health Services Student Council to preside over an assembly of over 650 students. Worked in unison with the Health Services Management Program Student Association for academic and professional development of students. Meetings with the Deans of the School to convey concerns, discuss improvements, and work in collaboration.

City College of San Francisco

Post-baccalaureate studies and certificate course, 1994-1997

- Completed a certificate course in Emergency Medical Services leading to employment as an Emergency Medical Technician.
- Other courses include public speaking, anatomy, Spanish, conversational Cantonese, sociology, and microbiology.

University of California at Los Angeles

Bachelor of Science in Biology, December 1992

- Additional courses in Asian American studies
- Involved member of Pilipinos for Community Health. Conducted hypertension screening and education in various communities in the Los Angeles, CA area.
- Active member in Samahang Pilipino to help create a culturally sensitive environment for students and to ensure equal representation in university government, faculty, staff, and student population.

COMPUTER SKILLS

Familiarity or experience with the SAS system and SPSS, knowledge of HTML code and webpage building software (Dreamweaver and Freehand). Proficient with Microsoft Office Suite (Word, Excel, Access, Publisher and Power Point) and Adobe Pagemaker, Illustrator, and Photoshop.

PUBLICATIONS

- Lum GR. Malaria among active duty soldiers, US Army, 2002. *Medical Surveillance Monthly Report* 2003; 9(1):2-5.
- King CN, Lum GR. Cold weather injuries among active duty soldiers, US Army, January 1997-July 2002. *Medical Surveillance Monthly Report* 2002; 8(7):2-5.
- Lum GR. Cellulitis among active duty servicemembers, US Armed Forces, 1998-2001. *Medical Surveillance Monthly Report* 2002; 8(7):6-9.
- Lum GR. Malaria among active duty soldiers, US Army, 2001. *Medical Surveillance Monthly Report* 2002; 8(3):2-4.
- Lum GR. Hospitalizations among active duty personnel. *Medical Surveillance Monthly Report* 2002; 8(2):2-8
- Lum GR. Spontaneous ruptures of the Achilles tendon, US Armed Forces, 1998-2001. *Medical Surveillance Monthly Report* 2002; 8(1):2-5.
- Lum GR. Cold weather injuries among active duty soldiers, US Army, 1997-2000. *Medical Surveillance Monthly Report* 2001; 7(9):2-5.
- Lum GR. Electrical injuries among active duty members, US Armed Forces, 1998-2000. *Medical Surveillance Monthly Report* 2001; 7(7):5-8