resume\_24@gmail.com  
(470).400.9646  
David Grass  
City Research Scientist - Environmental Emergency Information Program  
Burlington VT - Email me on Indeed: indeed.com/r/David-Grass/4e726672b2989e5e  
WORK EXPERIENCE  
City Research Scientist  
Environmental Emergency Information Program - New York NY - September 2007 to Present  
Bureau of Environmental Disease Prevention  
NYC Department Health and Mental Hygiene (DOHMH)  
 Serve as second-in-command for 15 person multi-disciplinary program supporting the data collection analysis and reporting needs of the Environmental Health Division  
 Serve as project manager and/or business lead for multiple federally funded  
technology projects.  
 Served as project manager for the development of a web-based GIS warehouse for electronic floor plans and building information. It has become the largest repository of  
its kind in the world.  
 Supervise three environmental health scientists. Direct activities of cross-functional  
project teams including research scientists IT specialists and GIS analysts.  
 Directed design development and implementation of the NYC Environmental  
Investigations Tracking System an application used to track indoor environmental and food-borne illness outbreak investigations. Adoption of the system has reduced  
response time by more than 20%.  
 Co-investigator for DOHMH's Climate Change Adaptation Program. Program aims to build capacity of the public health system to prevent and respond to climate-related  
health risks  
 Provide statistical consultations for study design by clinical programs.  
 Serve as member of DOHMH's Incident Command System (ICS) leadership as one of the leads for the Environmental Data Assessment and Analysis sub-section.  
Principal Investigator  
Occupational Exposures - Palisades NY - January 2003 to September 2007  
Subway Columbia University  
 Coordinated design and execution of exposure assessment biological  
monitoring and biomarker analyses  
 Coordinated study logistics with labor management and 3 to 5 scientists and technicians during recruitment and field work  
 Analyzed biological and environmental data synthesized and published results  
Teaching Assistant / Instructor  
Columbia University - New York NY - September 2002 to December 2004  
Public Health Impacts of Climate Change P9300 Fall 2003  
 Dynamics of Climate Variability and Climate Change W4400 Spring 2002 The Climate System EESC 2100 Fall 2002  
Data Analyst  
NASA/Goddard Space Flight Center - Greenbelt MD - June 1999 to May 2000  
   
Hydrological Sciences Branch  
 Correlated remotely-sensed climatologic variables with malaria incidence in hypo- endemic regions of Bolivia and South Africa.  
Research and Teaching Assistant  
Middlebury College - Middlebury VT - June 1998 to May 1999  
Analyzed fish flesh for Mercury using Cold-Vapor AA Spectroscopy  
 Assisted a high school chemistry class to design and carry out lead (Pb) detection projects using the college's analytical equipment  
Intern  
Universidad de Chile - Santiago de Chile RegioՁn Metropolitana - 1998 to January 1998  
Chile  
 Designed and conducted study of the role of tree-dwelling plants in the nutrient cycles of a pristine temperate rainforest in Southern Chile  
 Used caving techniques to access forest canopy to conduct ecological research  
Intern  
Smithsonian Environmental Research Center - Edgewater MD - September 1997 to December 1997  
Analyzed the transport of nutrients through functional forest strata using SAS statistical  
software. Organized and supervised 3 to 4 volunteers during field work deployments  
 Provided logistical support maintenance and data transfer for experimental deployment of a NASA sun photometer on a 50 meter meteorological tower  
EDUCATION  
M.A. in Climate Science Minors  
COLUMBIA UNIVERSITY - New York NY September 2001 to October 2008  
PhD in Applied Mathematics and Earth & Environmental Science  
UNIVERSIDAD DE CHILE - Santiago de Chile RegioՁn Metropolitana July 2000 to May 2001  
B.A. in Chemistry and Environmental Studies  
MIDDLEBURY COLLEGE - Middlebury VT September 1995 to May 1999  
ADDITIONAL INFORMATION  
IT: Project Management Requirements Gathering Business Analysis Systems Integration Health: Environmental Epi Disaster Epi Biomonitoring Risk Assessment Risk Communication Statistics: Biostatistics Parametric and Non-parametric data analysis in R Excel Matlab