

MARY EVANS

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SOIL SCIENTIST – ENTRY LEVEL

PROFILE

Focused and highly innovative scientist, seeking a challenging position that would utilize advanced GIS knowledge and skills and spatial data correlation, and would allow opportunity to continuously update science understanding and overall consulting abilities. Equipped with impressive educational background, combined with dynamic field and laboratory experience from various types of projects, from construction of sewage tanks, to mining, drilling, site remediation, all the way to precision agriculture. Competent and efficient professional, with strong credentials in leading and developing new techniques for soil safety; highly knowledgeable of methods, techniques, and procedures used in physical and chemical analysis of soil samples.

EDUCATION

TEXAS TECH UNIVERSITY, Lubbock, TX

Master Candidate in Soil Science, Minor in Geography (GIS and remote sensing): 2006-Present
Cumulative GPA of 4.0

UNIVERSITY OF CALIFORNIA, Riverside, CA

Bachelor of Science in Environmental Sciences: 2000-2004

UNIVERSITY OF LEGON, ACCRA / UNIVERSITY KWAME NKRUMAH, Kumasi, Ghana

Environmental Studies (exchange program at University of California, Riverside, CA): 2001-2002

CRAFTON HILLS COLLEGE, Yucaipa, CA

COLLEGE OF THE REDWOODS, Eureka, CA

Certificate completion of ESRI ArcGIS and Spatial Analyst extension software

Graduate student mentor for McNair Scholar, Sep 2007-May 2008

PROFESSIONAL EXPERIENCE

Graduate Student Research Assistant

DEPARTMENT OF PLANT AND SOIL SCIENCE

Texas Tech University, Lubbock, TX

Laboratory of Pedology of Soils of Dr. Wayne Hudnall ▪ 2006 - Present

- Accomplish field and laboratory research on thesis project
- Conduct teaching and laboratory instruction for Introduction to Soils
- Obtain advanced knowledge of GIS (ArcGIS), GPS and remote sensing software (ERDAS imagine)
- Utilize EMI devices including Dualem-2 and EM38, GPR device, Surfer Software, and ESAP software

Laboratory Assistant,

DEPARTMENT OF ENVIRONMENTAL SCIENCE

University of California Riverside, Riverside, CA

Laboratory of Mineralogy of Soils of Dr. Robert Graham ▪ Fall 2004

- Observed and studied physical properties of soils in determining particle size utilizing the pipette method, data on organic matter, and carbon content analysis
- Performed various field research collecting soil core samples
- Encoded reports and analysis utilizing familiarity with MS Office

Field Researcher

CENTER FOR BIOCONSERVATION

University of California Riverside, Riverside, CA ▪ Summer 2003

- Examined and collected field data regarding endangered and threatened native plant species of Southern California

Laboratory Assistant

DEPARTMENT OF BOTANY AND PLANT SCIENCES

University of California Riverside, Riverside, CA

Laboratory of Dr. Edith Allen ▪ 2002-2003

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Laboratory for Water Resources of Dr. Laosheng ▪ Wu2000-2001

Laboratory for Soil Physics of Dr. William Jury ▪ 2000-2001

- Conducted field research; collected data on vegetation cover at the university and private field stations; created soil profiles; gathered soil core samples; and compiled data using MS Office knowledge
- Organized and conducted various experiments in analyzing soil; performed chemical extractions on soils
- Examined and studied various soils for physical properties such as gravitational metric water content, particle size analysis, organic matter content analysis, determination of bulk density and soil resistance
- Utilized pH and EC meters, centrifuged and prepared various chemicals for processing data
- Worked with centrifuge; prepared chemical solutions; and utilized muffle and pensimeter in performing laboratory procedures
- Cleaned and maintained laboratory equipment through sterilization using autoclave

PRESENTATIONS

The ASA-CSSA-SSSA International Annual Meetings (November 4-8, 2007)

Symposium - Advanced Analytical Methods for Understanding the Chemistry of Nutrient Elements in Soils: Soil Sustainability as Measured by Carbon Sequestration Using Carbon Isotopes from Crop-Livestock Management Systems in a Semi-Arid Environment

PROFESSIONAL AFFILIATIONS

PHI KAPPA PHI HONOR SOCIETY

HONOR SOCIETY OF AGRICULTURE GAMMA SIGMA DELTA

AMERICAN SOCIETY OF AGRONOMY

CROP SCIENCE SOCIETY OF AMERICA

SOIL SCIENCE SOCIETY OF AMERICA

SOIL AND WATER CONSERVATION SOCIETY

ASSOCIATION OF WOMAN SOIL SCIENTISTS