

Sally Susan Kuhn

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OBJECTIVE

- To obtain a position as a remote sensing or geographic specialist whereby my multi-disciplinary research and technical background can be utilized for exploration, mapping, or hazard monitoring and mitigation purposes.

PROFESSIONAL EXPERIENCE

- **Teaching Fellow (2001-2003):** Department of Geology and Planetary Science, University of Pittsburgh
 - Introduction to Geology, Environmental Geology, Introduction to GIS, GPS, and Computer Methods, and The Planets
 - Responsible for designing, administering and grading quizzes, exams, and assignments
 - Conducted recitations and directed discussion regarding new material
- **Graduate Student Researcher (2001-2002):** Department of Geology and Planetary Science, University of Pittsburgh
 - Research focus on thermal infrared remote sensing, sub-pixel analysis, image processing techniques, ordering and classifying state-of-the-art NASA data
 - Created and statistically analyzed a database of explosive and effusive volcanological processes, monitoring and mitigation of volcanological hazards
 - Utilized and fused multiple data sets such as RADAR, Landsat, digital ortho quarter quads, and ASTER for urban planning and classification. Skilled with GIS software and techniques, use of a handheld GPS, map creation, database creation and statistical analyses, and fieldwork techniques
- **Research Assistant (1993-1997; 1998-2001):** University of Pittsburgh Medical Center, Primate Research Center
 - Assisted in all aspects of primate research including data collection and analysis of multiple neuroscience, reproductive physiology, and endocrinology studies
 - Skilled in the following: radioimmunoassay, phlebotomy, surgical assistance, X-ray, and glucose tolerance testing
- **Laboratory Manager (1997-1998):** Oregon Regional Primate Research Center
 - Oversaw all aspects of primate research for reproductive physiology, neuro-anatomy and behavior science
 - Designed, implemented, and supervised experimental procedures
 - Interviewed, hired, and trained new employees, as well as administered budgets and schedules
 - Developed laboratory techniques and wrote protocols
 - Medical illustrations for Merck Pharmaceuticals

EDUCATION

- **M.S.**, Geology, University of Pittsburgh, December 2003
- **B.A.**, Anthropology/Archaeology, University of Pittsburgh, May 1997

COMPUTER EXPERIENCE/OTHER

- ESRI ArcGIS software certification (January 2003).
- Software proficiency in: Kodak ENVI and ERDAS IMAGINE remote sensing suites, ArcInfo, ArcGIS and extensions, Statistical Package for the Social Sciences (SPSS) database management, Trimble Pathfinder Office (GPS), Adobe suite (Photoshop and Illustrator), Frontpage and Dreamweaver web design, Microsoft Office, Corel image suite, Reproman, and Cricket Graph
- Operating system proficiency: Apple Macintosh, Microsoft Windows, and Sun UNIX operating systems
- Skilled artist and illustrator utilizing multiple media

FIELD TRAINING AND EXPERIENCE

- **Hawai'i (July 2003)**
 - analyzed explosive/effusive deposits for hazard monitoring and mitigation
 - performed field mapping of flow emplacement features and lava tubes
- **Oahu, Hawai'i (March 2003)**
 - served as field assistant for the study of channel formation at Koko Crater
- **Long Valley Caldera, California (August 2001)**
 - investigated and analyzed volcanological and morphological features including the Inyo/Mono Domes, tectonic setting and the Bishop Tuff ignimbrite

PUBLICATIONS, AWARDS AND ACCOMPLISHMENTS

- **Kuhn, S. S.**, Ramsey, M. S., Growth of the Soufrière Hills Dome: Fusion of Thermal Infrared Spaceborne Data with a Multi-parameter Database. Cities on Volcanoes III Conference, July 2003, Hilo, Hawai'i.
- **Kuhn, S. S.**, Ramsey, M. S., Monitoring the Surface Changes and Growth of the Soufrière Hills Lava Dome: Thermal Infrared Analyses of Field and Spaceborne Data. EOS Trans. AGU, 83(47), Fall Meet. Suppl., Abstract V12-1407, 2002
- Guest lecturer for Introduction to GIS, GPS, and Computer Methods (Fall 2003)
- Received student grant award (*1 of 18 chosen*) for the Cities on Volcanoes III Student Workshop, Hilo, Hawai'i (July 2003)
- Awarded outstanding poster presentation: University of Pittsburgh Faculty of Arts and Sciences Graduate Student Organization Graduate Student Expo, (Spring 2003)
- Invited speaker at the Department of Geology and Planetary Science weekly seminar (January 2003)
- Invited artist for local magazine release party (1997, 1998, and 1999)

PROFESSIONAL ORGANIZATIONS

- Sigma Gamma Epsilon National Honors Society for the Earth Sciences, (2000 - present), Geological Society of America, (2002 - present) American Geophysical Union, (2002 - present)