

Alex Key

Environmental Scientist + Project Mgr. + Geospatial Analyst + Data Specialist

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Find me on [Linked In](#)

Work Experience

Environmental Project Manager

Intelx Technologies Inc. (Formerly Ecocion Inc.), Englewood, CO | Jul 2014 - Current

Provides technical and analytical support to senior EHS staff and clients as necessary to contribute to projects including, but not limited to, greenhouse gas reporting, stormwater inspection programs, spill prevention control and containment (SPCC), and gas leak detection/repair (LDAR). Researches existing regulatory requirements and general industry operations to meet clients' needs while working as the primary contact on various projects. Project work highly integrated with database technology, including data cleanup, imports, exports, SQL queries, and automation of database functions. Regularly interacts with clients to build strong working relationships, scope project requirements, estimate budgets, and bring new projects to the company. During tenure, job title progressed from Associate Consultant I to Associate Consultant III to Environmental Consultant to Project Manager.

Research Associate

Institute for Environmental Solutions, Denver, CO | Jun 2013 - Jul 2014

Responsibilities included writing grant requests, occasionally leading team meetings, presentation of material to large audiences, drafting of internal documents, graphic design, website maintenance and development of a public outreach plan.

Lead Research Assistant & Lab Manager

University of Colorado Hydrology, Denver, CO | May 2013 - May 2014

Research focused on the hydrologic responses to mountain wildfires. Laboratory responsibilities included management of personnel scheduling, equipment inventory, bioassessment of benthic macroinvertebrates, and task delegation to meet firm deadlines. Field duties included deployment of rain gauges, water quality analysis, macroinvertebrate sampling, land surveying, development of GIS site plan, and assistance with LiDAR scanning.

GIS Project Team Member

Organization for Tropical Studies, La Selva, Costa Rica | Sep - Nov 2013

Worked remotely using ArcGIS to georeference historical aerial photos for the Las Cruces Biological Station. Additional responsibilities included the creation of an instructional document to assist team members with the georeferencing process.

Environmental Educator

Thorne Ecological Institute, Boulder, CO | Aug - Nov 2012

Biological Research Intern

Georgia Aquarium, Atlanta, GA | Jan - Jun 2012

Education

Master of Science - Environmental Science, 3.85 GPA

University of Colorado, Denver, CO | Class of Spring 2014

Achieved specialized certificate in water quality. Relevant coursework: Environmental Engineering, Geographic Information Systems, Statistics, Human Health Risk Assessment, Biogeochemistry, Paleoclimatology, Environmental Chemistry, Aquatic Chemistry, Hydrology, Aquatic Ecology, Remote Sensing Analysis

Post-Baccalaureate Certificate - Geographic Information Systems, 3.58 GPA

Pennsylvania State University, World Campus | In-Progress

Bachelor of Interdisciplinary Studies - Environmental Sciences, 3.26 GPA

Georgia State University, Atlanta, GA | Class of Spring 2012

Interdisciplinary science degree focused on achieving advanced understanding of chemistry, biology, geology, and physical geography

Technical Skills

Project Management - Extensive experience designing, planning, and proposing projects exceeding \$100k in budget

Science and Math - Strong knowledge base in biology, ecology, chemistry, geology, physical geography, and mathematics

Geospatial - Experience with geospatial analysis using geographic information systems and remote sensing methods

Writing - Writing experience with project proposals, technical lab reports, guidance documents, literary research reports, grant requests, and creation of complex data plots

Technology - Comfortable using computers to solve problems with high interest and willingness to learn new techniques

Policy - Familiarity with state and federal level environmental regulations, specifically in the oil and gas sector

Communication - Excellent public speaking and communication skills with experience leading client meetings and presentations

Data - Very experienced using database technology in the context of environmental work

Lab Work - University level laboratory experience in organic chemistry, biology, mineralogy, and sedimentary geology

Software Experience

Microsoft Office Suite

ACTS (Asset & Compliance Tracking System)

ArcGIS - geographic information systems

Google Earth

ERDAS Imagine - satellite image analysis

ENVI - satellite image analysis

Oracle Structured Query Language (SQL)

eXtensible Markup Language (XML)

EPA ProUCL - environmental statistics

EdGCM - global climate modeling

HEC-HMS - hydrologic modeling system

WordPress - website publishing platform

Adobe Photoshop, Lightroom, Premiere Pro

Scholarly research databases

Honors & Activities

Golden Key International Honor Society

International Geographic Honor Society

Mountain Bike Racing