

# Alex Key

Software Manager + Environmental Scientist + Project Manager + Data Analyst

[Alex.Key@intelex.com](mailto:Alex.Key@intelex.com)

(404)-246-6323

[www.Alex-Key.com](http://www.Alex-Key.com)

Find me on [Linked In](#)

## Work Experience

### **Consulting Manager (2019) ← Project Manager (2018) ← Consultant (2014)**

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

As **consulting manager**, leads a team of consultants and project managers to execute on software implementations for a variety environmental, health, and safety applications. Works to meet key company metrics such as resource utilization, revenue forecasting/realization, and time-to-value for clients. Serves as a technical resource for sales activities and manages a portfolio of 20+ ongoing client accounts.

As a **consultant**, contributed to projects including greenhouse gas reporting, stormwater inspection programs, spill prevention control and containment (SPCC), and gas leak detection/repair. Researched regulatory requirements to advise clients while working as the primary on various projects. Project work highly integrated with database technology, including data cleanup, imports, exports, updates, SQL reports, and data collection design. As **project manager**, estimated project budgets, allocated consulting resources, developed project plans, and constructed statements of work.

### **Research Associate**

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

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

### **Lead Research Assistant**

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

Research focused on the hydrologic impacts of wildfires on mountain streams. Lab and field duty responsibilities included bioassessment of benthic macroinvertebrates via statistical methods, deployment of rain gauges, water quality sampling, macroinvertebrate collection, and setup of ground-based LiDAR scanning equipment.

### **GIS Project Team Member**

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

Worked to geo-reference historical aerial photos using ArcGIS for the Las Cruces Biological Station.

**Environmental Educator** | *Thorne Ecological Institute, Boulder, CO | Aug - Nov 2012*

**Biological Research Intern** | *Georgia Aquarium, Atlanta, GA | Jan - Jun 2012*

## Education

### **Credential of Readiness (CRe)**

*Harvard Business School*

150-hour certificate program on three fundamental areas of business – financial accounting, economics for managers, and business analytics

### **Master of Science - Environmental Science, 3.85 GPA**

*University of Colorado, Denver, CO*

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

### **Bachelor of Interdisciplinary Studies - Environmental Science, 3.26 GPA**

*Georgia State University, Atlanta, GA*

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

## Technical Skills

- **Business** - Practical understanding of business analytics, microeconomics, and financial accounting principles
- **Project Management** - Extensive experience designing, planning, proposing, and managing projects with multiple contributors
- **Science and Math** - Strong foundation in biology, ecology, chemistry, geology, math, and statistics
- **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 data visualization
- **Technology** - Comfortable using software to solve problems with high interest and willingness to learn new techniques
- **Policy** - Familiarity with state and federal level environmental regulations, specifically those related to water quality and air emissions
- **Communication** - Excellent public speaking and communication skills with experience leading meetings, trainings, and presentations
- **Data** - Very experienced using database technology with environmental context
- **Lab Work** - Laboratory experience in organic chemistry, biology, mineralogy, and sedimentary geology

## Software Experience

Microsoft Office Suite • Visio • Project • ACTS (Asset & Compliance Tracking System) • ArcGIS • ENVI remote sensing analysis • Oracle Structured Query Language (SQL) • Tableau • eXtensible Markup Language (XML) • EPA ProUCL • EdGCM global climate modeling • HEC-HMS hydrologic modeling system • WordPress • Adobe Photoshop, Lightroom, Premiere Pro

## Honors & Activities

- Golden Key International Honor Society
- International Geographic Honor Society
- Mountain Bike Racing