

**Andrew Billups**  
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### **Current Address**

3901 Rapid Run Dr. Apt 1014  
Lexington, KY 40515

### **Education**

Bachelor of Arts in Geography  
Specialization: Geographic Information Systems  
Eastern Kentucky University, Richmond, Kentucky: August 2010  
Major GPA: 4.0

Master of Arts in Secondary Education  
Specialization: Social Studies  
University of Kentucky, Lexington, Kentucky: May 2009  
Overall GPA: 3.74

Bachelor of Arts in Secondary Social Studies Education  
Specialization: History  
Minor: Geography & Mathematics  
University of Kentucky, Lexington, Kentucky: December 2007  
Overall GPA: 3.11  
Major GPA: 3.58

### **Work Experience**

**Biological Systems Consultants, Inc.** Lexington, KY 5/2010-Present  
GIS Specialist

Responsible for all GIS mapping for BSC, Inc. Imported mining data layers from AutoCAD for use in ArcGIS Desktop 9.3 & 10. Created coal-mining permit maps for submittal to the US Army Corps of Engineers, EPA, and Kentucky Division of Water. Experience gained in wetland delineation and "Waters of the U.S." jurisdictional determinations. Completed various permit applications dealing with Section 404 of the Clean Water Act and the Kentucky Quality Assurance Project Plan (QAPP). Tasked with compiling and managing geospatial data for company projects. Conducted field data collection for use in project maps in order to obtain various types of mining permits.

**Central Kentucky Radiology** Lexington, Kentucky 4/2007-8/2008, 6/2009-5/2010  
Billing Associate

Entered patient demographic data into computer system in order to bill for radiology scans. Responsible for phoning patients with outstanding radiology bills and collecting payments. Also printed weekly insurance reports for the billing department in order to evaluate profit margins and revenue.

#### **GIS Work**

Created maps of Central Kentucky Radiology Billing Sites in order to analyze concentrations of bad debt as a result on incorrect patient addresses. The created maps were used to analyze patient service areas in order to evaluate where most patient bad debt was originating. This information was then presented to partner hospitals in an attempt to reduce general bad debt for both the hospital and Central Kentucky Radiology.

**Wildcat Textbooks** Lexington, Kentucky 4/2008-8/2008  
Textbook Associate

Responsible for stocking textbooks, shipping and receiving textbook orders, and assisting customers in the store.

**Aldersgate Camp and Retreat Center** Ravenna, Kentucky Summers: 2004-2006  
Camp Counselor and Assistant Program Director

Responsible for all ages of children for 11 weeks during summer holidays. Led campers on hikes, high ropes course, bible studies, horseback riding, swimming. Helped to plan camp programs and organize counselors and leaders for each week of camp. In charge of managing the temporary summer staff for the entire summer.

### **Relevant Coursework**

Advanced Geographic Information Systems - Studied advanced concepts in the field of GIS  
Urban Geographic Information Systems - Studied strategies for implementing GIS application to urban settings  
Social Statistics - Learned to analyze statistical data for signs of significance  
Geotechniques - Engaged in geographic projects dealing with map interpretation, remote sensing, and GPS to GIS

### **ESRI Virtual Campus Certificates**

Introduction to Urban and Regional Planning Using ArcGIS 9 (18 course hours)  
Understanding GIS Queries (3 course hours)  
Geocoding with ArcGIS Desktop (6 course hours)