

## **Erin Alex**

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### **EDUCATION**

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- University of Northern Colorado, Greeley, CO** *4 Years*  
Chemistry, Medical Technology Emphasis
- University of Colorado at Boulder, Boulder, CO** *1 Semester*  
Biochemistry

### **EXPERIENCE**

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- ChemaTox Laboratory, Inc.** *August 2006-Present*  
Forensic Chemist/Toxicologist, Lab Director
- Responsible for alcohol analyses in blood samples. Validation and calibration of the Head-space Gas Chromatographs. Other responsibilities include the analysis of blood and other body fluids for the presence of drugs and other toxic substances using Enzyme Linked Immunoassay and Gas Chromatography/Mass Spectrometry. Providing services to governmental and private agencies for analysis of body fluids and tissues for alcohol, drugs and other toxic substances. Provides expert testimony on alcohol analysis and drug determination.
- University of Northern Colorado** *Spring 2002*  
Diagnostic Microbiology Laboratory Assistant
- Autoclave, preparation of agars for general microbiology labs and graduate research. Differentiation of infectious bacteria such as E. Coli, Staphylococcus, Streptomonas, and Pseudomonas. Field swabs and infectious water bacteria research.
- University of Northern Colorado** *Spring 2001-Fall 2001*  
Organic Chemistry Lab
- Titration, Gas Chromatography, Mass Spectroscopy, Thin Layer Chromatography, Extraction and Distillation Microbiology Lab. Staining techniques such as Gram Stain, Flagella Stain, Identification of bacteria through agar reactions, Phase and Light microscopes, Bacterial growth research with different mediums.
- University of Northern Colorado** *Spring 2001*  
Genetics Lab
- DNA fingerprinting of bacteria, Genetic research of fruit flies.
- University of Northern Colorado** *Fall 1997-Spring 1998*  
General Chemistry Lab
- Basic Chemistry lab skills, Spectrophotometry, compound preparation, acids, bases, buffers, and metallic chemistry.