

# Krista A. Isham

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## EDUCATION

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*Bachelor of Science, Chemistry* *June 2009 – December 2012*  
Department of Chemistry, Portland State University, Portland, Oregon  
GPA: 3.7, Cum Laude, With Honors

**HIGHLIGHTED COURSEWORK** Analytical Chemistry: Quantitative Analysis, Instrumental Analysis, Computational Modeling/Data Analysis; Physical Chemistry: Reaction Kinetics and Mechanisms, Quantum Mechanics; Advanced Organic Chemistry: Synthesis design models and mechanisms

## WORK EXPERIENCE

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**PROGRAM COORDINATOR** *September – December 2012*  
Portland State University  
*Resource Center for Students with Children*  
Co-coordinated the funding and development of the PSU Resource Center for Students with Children. Implemented new policies and resources to support students with children and nursing mothers on campus. Helped create new jobs and support for the construction of new lactation facilities

**FORMULATION MANAGER** *January – December 2012*  
Portland State University  
*Department of Chemistry – Supply*  
Responsible for the production of instrumental consumables and analytical reference materials used in university research and laboratory applications, GLP, cGMP

**PROJECT MANAGER** *January – June 2012*  
Portland State University  
*Department of Chemistry – Dr. Dean B. Atkinson*  
Responsible for the analysis of industrial volatiles and EPA compliance using instrumental chromatographic methods and computational dispersion modeling

**ASSISTANT MANAGER** *September 2011 – April 2012*  
Portland State University  
*Goforth Biochemical Laboratory – April Williams, Laboratory Manager*  
Responsible for the analysis of biological indicators, organic contaminants, and trace denaturation/thermal sensitivity of urine samples using selective ion and instrumental chromatographic methods

**RESEARCH ASSISTANT** *January – April 2012*  
Portland State University  
*Department of Chemistry – Dr. Reuben Simoyi*  
Responsible for the design model of organic syntheses of sulfur species used for graduate research in reaction kinetics and mechanisms

**RESEARCH ASSISTANT** *January – June 2011*  
Portland State University  
*Organic Chemistry – Water Resources*  
Responsible for the synthesis of cubic, bilayer monomers used for graduate research in water quality, treatment, and chemical engineering

**PROJECT MANAGER** *September – December 2010*  
Portland State University  
*Department of Geology – Dr. Michael E. Cummings*  
Responsible for simulations of solar influence and USGS discharge statistics aligned with Oregon's geologically distinct North-flowing rivers

## WORK EXPERIENCE

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COUNTER SUPERVISOR	Nordstrom <i>Lancome Cosmetics</i> Managed high intensity customer service and sales. Trained team members in sales strategies. Coordinated seminars and educational events to improve productivity	<i>April 2006 – June 2008</i>
OFFICE MANAGER	Roger Langeliers Construction Co. <i>East Division</i> Managed bid processing and project logistics. Processed vendor orders and accounts. Audited paycheck calculations and issued payroll	<i>November 2005 – December 2006</i>

## TEACHING EXPERIENCE

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Portland State University <i>Teaching Assistant – Dr. Gwen Shusterman</i> Courses: General Chemistry 221, 222, 223		<i>September 2011 – June 2012</i>
<i>Tutoring Associate</i> Courses: General, Organic, and Physical Chemistry Series		<i>September 2010 – June 2012</i>

## SELECTED PRESENTATIONS

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- Isham, Krista A., Cooper, Paige, Williams, April M. *Analysis of volatile organic compounds in industrial air emissions and dissolved contaminants in surrounding basins using instrumental chromatographic methods and computational dispersion modeling*  
Presented to the Department of Chemistry, Portland State University (March 15, 2012)
- Isham, Krista A., Ballou, Cassandra A., Kelly, Patrick E. *Simulated USGS discharge statistics and GIS spatial modeling in response to increasing solar influence on Oregon's geologically distinct north-flowing rivers*  
Poster presented to the Department of Geology, Portland State University (November 19, 2010)

## VOLUNTEER EXPERIENCE

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Intel Northwest Science Expo <i>Mechanical Trajectory Educator/Coordinator/Judge</i>	<i>2010 – 2012</i>
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## GRANTS AND AWARDS

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GRANTS	National S.M.A.R.T. Grant, Chemistry	<i>2009 – 2011</i>
AWARDS	President and Dean's Academic Excellence, Portland State University Bruce Nordstrom Presidential Award, Leadership and Service, Nordstrom Annual Sales Goal Achievement, Nordstrom	<i>2009 – 2012</i> <i>2008</i> <i>2007 – 2008</i>

## PROFESSIONAL AFFILIATIONS

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American Chemical Society  
The Climate Reality Project

## SKILLS

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COMPUTER	LabView, Chemstation, Excel, PhET, Spartan, MS Office
ANALYTICAL	GC/MS, GC/FID, HPLC/UV-Vis, FTIR, AAS, ISE, TOC