

Dana R. Garves

Experience

Mar 2007 – Mar 2010 *University of Oregon,*
Department of Chemistry *Eugene, OR*

Green Chemistry Assistant

- Assisting Julie Haack in updating the Greener Education Materials for Chemists (GEMs) Database.
- Update the GEMs Google Map with individuals wishing to be a part of the green chemistry community.
- Created an annotated bibliography which included internet searches of all references to GEMs and presented findings at the Biennial Conference on Chemical Education (BCCE) in 2008.
- Joined the Green Chemistry Education Network to hold a workshop demonstrating to educators how to incorporate green chemistry into their curriculum at BCCE 2008.
- Added additional curricular materials to the GEMs database to help facilitate green chemistry adoption.
- Created a tab on the GEMs website for each laboratory exercise which provides information about institutions that have adopted specific educational materials into their curriculum.

Sept 2008 – Present *University of Oregon,*
Department of Chemistry *Eugene, OR*

General Chemistry Laboratory Teaching Assistant

- Corrected and returned all reading questions, quizzes, lab reports and exams.
- Conducted demonstrations during to lab, including how to use safety equipment, instruments, computer software, and handling of chemicals.

June 2007 – Sept 2007 *University of Washington,*
Microbiology Department *Seattle, WA*

Assistant to Research Scientist

- Managed RNA sample submission from UW researchers, for RNA QC analysis on the Bioanalyzer 2100.
- Scanned microarrays using Agilent Microarray Scanner or the Affymetrix GeneChip® Scanner.
- Oversaw basic lab maintenance, including preparation of stock solutions and reagents, and updating safety records and procedures; consistent use of Autoclave.

July 2006 – Sept 2006 *University of Washington,*
Microbiology Department *Seattle, WA*

Microarray Gene Expression Data (MGED) Conference Organizer

- Managed all responsibilities regarding registrations for conference attendees.
- Made all food reservations and dinner choices, including catering schedules, special needs for allergies and religious restraints, and headcounts.
- Organized a dinner cruise for over three hundred people through Argosy Cruises.
- Organized all vendor and sponsor registration.
- Mingled with attendees and vendors in order to ensure their needs were satisfied.

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Experience (cont.)

Sept 2005 – Aug 2006

Chaffey Homes Corporation

Kirkland, WA

Marketing Assistant

- Acted assistant to the Marketing Director
- Managed all files and papers relating to floor plans.
- Updated the Chaffey Homes website and the Corporate Price Sheet; ordered and distributed office and marketing supplies
- Ordered renderings; requested the correct CAD files, interior and exterior paints and stone selections, and filed the complete profile to the necessary contact.

Volunteer Experience

- Summer 2004-2007, Camp Counselor for Campfire Boys and Girls, Camp Coyote as Head of Sports and Games.
- Summer 2009, Camp Counselor for the Optical Science Discovery Camp which taught middle school girls about light properties.
- Summer 2008-2009 teaching assistant for the Green Chemistry in Education Workshop (GCEW) at the University of Oregon. Helped educators from around the country run smooth green chemistry experiments.
- April 2010, assisted in organizing and executing a Forensics Chemistry Camp for Girl Scouts.
- June 2010, second in command of Science Program to Inspire Creativity and Excellence (SPICE Camp), in the forensics section of the camp. Worked with middle and high school girls in different areas of chemistry and physics.
- June - July 2010, acting head TA for GCEW. Accumulated and organized other teaching assistants to monitor laboratories in the workshop.

Education

Sept 2006 – June 2010

University of Oregon

Eugene, OR

- Presented with out-of-state Dean's Scholarship.
 - Received Bachelor's degree in Chemistry.
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Sept 2003 – June 2006

Inglemoor High School

Kenmore, WA

- Received High School Diploma 2006.
- Received the International Baccalaureate Diploma upon graduation.

Achievements

- Interviewed on Green Chemistry for the University of Oregon in 2009 for an article titled "UO Undergrad is hooked on Green Chemistry," along with video interview "Going Green in Chemistry."
- Attended and presented a poster at the Biennial Conference on Chemical Education in 2008 titled "Increase your exposure: Submit to the GEMs database."
- Interviewed on Green Chemistry for the Associated Press in 2007 for article titled "Green Chemistry Joins College Curriculum."
- Asked to help run a workshop at the American Chemical Society 2010 Conference on Sustainability with the Green Chemistry Education Network (GCedNet).