

Jessica Rose Dzara

Clarkson University
P.O. 3750
Potsdam, NY 13699

Cell: 716-954-3647
Email: dzarajr@clarkson.edu

13590 Trevett Road
Springville, NY 14141
716-592-7802

OBJECTIVE Obtain a professional full-time position in the field of Environmental Engineering and Science, particularly water resources management.

EDUCATION **Clarkson University, Potsdam, NY** **Class of 2010**
Bachelor of Science in Environmental Engineering; minor Environmental Science
Cumulative GPA: 3.47 Dean's List 2006-2009 Presidential Scholar 2009

COURSES Water Resources 1 and 2, Landfill Design, Water Waste Water Treatment, Hazardous Waste Management, Public Debate and Environment, Industrial Ecology, Human Exposure Analysis, Ecology

RELEVANT EXPERIENCE

US Forest Service **St. Regis, MT** May 2009-Aug 2009

- Stream survey technician for PACFISH/INFISH Biological Effectiveness Monitoring Program (PIBO-EMP)
- Collect data used to monitor bull and cutthroat trout habitat in the Columbia River Basin to assess the impact of land management practices on riparian and aquatic conditions at watershed and local scales
- Collect data on stream attributes: pools, channel geometry, substrate, stream bank characteristics, gradient, water chemistry, large woody debris, and macro invertebrates using the PIBO-EMP protocol
- Developed teamwork and communication skills working and living with group of 3 others on 8 day hikes
- Team chosen to work with newly developed protocol for new sites in prairie stream systems

Clarkson University Summer Camps **Potsdam, NY** July 2008-Aug 2008

- Set up meetings to make directors, counselors, and campers aware of safety regulations
- Monitor daily activities for safety compliance, Set up and supervise fire drills and camp check-ins

NYS Department of Transportation **Buffalo, NY** May 2008-July 2008

- Performed weekly inspection of erosion control measures for NYSPEDES report on the project
- Inspected and observed daily activities on construction of highway extension
- Inspected delivery and placement of concrete and steel supports
- Worked in professional setting DOT Region 5 office, Attended preconstruction meetings

NYS Department of Transportation **Buffalo, NY** May 2007-Aug 2007

- Performed inspection work and concrete testing on bridge refurbishment, Prepared daily work reports
- Inspected wetland/stream mitigation project, Observed stream diversion for channel construction
- Monitored stream alignment, placement of artificial rock riffle, erosion control measures, appropriate vegetation and removal of invasive species

Clarkson University – Admissions **Potsdam, NY** Oct 2006-Present (Part Time)

- Use communication and organization skills to prepare materials for university events and mailings
- Give tours to prospective students and families, Work open house events

TECHNICAL SKILLS ArcGIS, Microsoft Word, Excel, Power Point, MATLAB 7.0, Windows XP Professional

LEADERSHIP

Clarkson University Outing Club: Aug 2006-Present

- Positions- Vice President, Treasurer, Gear Chair, Trip Leader, Organize gear storage and rental
- Supervise climbing wall hours. Organized the Freshmen Orientation Trips in 2007, Manage 2009 budget

NYWEA- New York Water Environment Association, Inc. September 2007-Present
Jan 2009-Present

- Leadership position- Treasurer

ACADEMIC EXPERIENCE

Water Resources Lab Experience involving runoff study, hydraulic jump, unit hydrographs, TR-55 method
Engineers Without Borders September 2006-2008

- Research and design possible systems to supply clean drinking water to La Margarita, Ecuador