

MARISSA MARQUEZ

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SUMMARY OF QUALIFICATIONS

Progressive, analytical Environmental Science student with a passion for protecting land, natural resources, and wildlife and promoting sustainable development and living. Strong knowledge of air, water, and soil quality analysis and methods for remediation, as well as issues involved in environmental protection, including degradation, conservation, recycling, and replenishment. Stellar communication skills and ability to work independently and as part of a team. Technical proficiencies include MS Office applications, WinTR-55, ArcGIS, and GPS. **Knowledge and competencies include:**

- Research Design & Report Writing
- Environmental Hazards & Cleanup
- Waste Reduction
- Environmental Planning & Policy
- Soil & Groundwater Pollution
- Ecological Sustainability

EDUCATION & HONORS

BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE, Rutgers University, New Brunswick, NJ (5/2013)

GPA: 3.5 — School of Environmental & Biological Sciences General Honors Program (2009) — Chi Alpha Epsilon National Honor Society (2011) — Louis Stokes Alliance for Minority Participation (LSAMP) Scholar

RESEARCH & PRESENTATIONS

Rutgers University, New Brunswick, NJ

ENVIRONMENTAL SCIENCE INDEPENDENT STUDY (Fall 2011)

- Conducted comprehensive study of existing scientific research to investigate role and chemistry of siderophores in heavy metal phytoremediation and met weekly with advisor, Dr. Sam Smith, to discuss and analyze findings.
- Determined siderophores play crucial role in successful survival and growth of plants in contaminated soils by mitigating metal toxicity and supplying plants with nutrients, particularly iron.

RESEARCH ASSISTANT, ARESTY Summer Science Program (Summer 2011)

- Selected from competitive applicant pool to attend rigorous, 10-week Summer Science Program that provided hands-on experience in scientific research processes through work in research laboratory.
- Worked on research team to assist Dr. Eric Lam with research on “*Identification of Optimal Duckweed Strains for Wastewater Remediation and Biomass Production in New Jersey.*”
- Presented research results in poster session for University faculty and staff, as well as participants’ family and friends.

PROFESSIONAL EXPERIENCE

Rutgers University, New Brunswick, NJ

SCIENCE TUTOR, TRIO Student Support Services (9/2010 – Present)

- Provide tutoring in introductory and upper-level science courses in multiple disciplines including Biology, Chemistry, and Physics in order to foster students’ learning and academic success.

OFFICE ASSISTANT/WORK STUDY, Office of Student Leadership, Involvement, & Programs (9/2009 – Present)

- Coordinate and maintain records for 300+ student organizations and handle organization event planning.

EXTERN, LSAMP SCOPE (Science Career Orientation & Professional Externship) Program (3/2012)

- Participated in two-day job shadowing experience to gain practical perspective on Environmental Science careers.
- Served externship placement with Lakehurst Naval Air Station-Environmental Department, meeting with various administrators and technicians in order to learn about conducting groundwater level data collection, groundwater contour mapping, air emission data collection, and plotting of new GPS way points for groundwater flow using ArcFlow.

CAMPUS & COMMUNITY LEADERSHIP

Rutgers University, New Brunswick, NJ

VOLUNTEER, SCIENCE FOR UNDERGRADUATES: A PROGRAM FOR EXCELLENCE IN RESEARCH (Summer 2010 & 2011)

- Educated elementary school students about scientific procedures in order to generate excitement about science.

VOLUNTEER, NJPIRG (Spring 2010 & 2011)

- Participated with 150+ fellow volunteers to clean up NJ’s Raritan River which provides drinking water to over 1.2 million people, yet is 14th most polluted river in country.