

Related Experience
Research

ALEXANDRA CRUZ

CURRENT ADDRESS

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PERMANENT ADDRESS

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EDUCATION

Cornell University, Ithaca, NY
College of Architecture, Art, and Planning and College of Engineering
Dual degree candidate for Bachelor of Fine Arts and Bachelor of Science, May 2009
Majors: Fine Arts (Painting) and Geological Sciences (Environmental Chemistry and Hydrology)
GPA: 3.63

Richmond Hill High School, Brooklyn, NY
Class Valedictorian; Top Senior in Queens School District 2004

AWARDS

National Society of Collegiate Scholars • New York State Merit Scholarship • Science Technology Entry Program Scholarship • United Federation of Teachers Scholarship

RESEARCH EXPERIENCE

Undergraduate Research Spring 2008
Department of Geological Sciences, Cornell University, Ithaca, NY
Explored physical and chemical processes that produce ore deposits by modeling their formatting using computer codes. Learned finite difference, finite element, and chemical foundations needed to understand how programs work. Monitored activities of fluid flow, geochemical, and hydrological modeling team.

Soil Physics Research Fall 2006 and Spring 2007
Department of Crop and Soil Sciences, Cornell University, Ithaca, NY
Prepared soil samples for routine physical analyses. Measured soil porosity and hydraulic conductivity. Performed other related laboratory tasks as necessary.

TUTORING EXPERIENCE

Tutoring Program Spring 2008
Diversity Programs in Engineering, Cornell University, Ithaca, NY
Tutored minorities and females in the Engineering College on first-year general chemistry. Assisted with homework and laboratory reports.

Mentorship/Tutoring Program Spring 2007
Paul Scheurs Memorial Program, Ithaca Youth Bureau, Ithaca, NY
Volunteered as mentor to children in Ithaca community. Tutored individually in mathematics and science. Aided in preparing artistic activities and planning field trips.

ADDITIONAL SKILLS

Graphic Design, Photoshop, Microsoft Word, and Excel.
Fluency in French and Haitian Creole. Knowledge of Spanish.

ACTIVITIES

Minority Student Organization, College of Architecture, Art, and Planning—Secretary
Christian Mission Trips to Panama