

SAMIRA DASWANI

sdaswani@mit.edu | 450 Memorial Drive, Apt F-217, Cambridge, MA- 02139 | Tel: 781 392 4822

EDUCATION AND AWARDS

- June 2013 **MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)**, Cambridge, MA
Bachelor of Science in Bioengineering. GPA: 4.7/5.0.
Fellow of the Bernard M.Gordon-MIT Engineering Leadership Program.
- June 2013 **WELLESLEY COLLEGE**, Wellesley, MA
Bachelor of Arts in Art History. GPA: 3.89/4.00
Phi Beta Kappa; Sigma Xi; Early Sophomore Research Fellow (2009); Fellow of *The Madeline Korbel Albright Institute for Global Affairs* (2010); Award for Excellence in Chemistry (2010); Katherine Malone Senior Scholar, the highest award for academic excellence at Wellesley College (2012).

EXPERIENCES

- Aug 2012 - 2013 **CENTER FOR GLOBAL DEVELOPMENT, WASHINGTON, DC, USA**
Research Assistant. Analyzing large datasets from two countries to evaluate comparative strategies.
- June-Aug 2012 **NATIONAL INSTITUTES OF HEALTH, BETHESDA, MD, USA**
Intern at the National Institute for Allergy and Infectious Diseases. Drafted recommendations for the Global Immunization Working Group (GIWG) of the National Vaccine Advisory Committee (NVAC). Reviewed primary literature on co-infection of HIV.
- Nov 2011- Aug 2012 **MIT-CET CHEMISTRY BRIDGE PROJECT, WITH PROF. JOHN ESSIGMANN, MIT**
Designer. Conceptualized innovative online modules to teach chemistry. Designed films, videos, animations, and texts to effectively teach chemistry to students around the world.
- Nov 2010- May 2012 **SASISEKHARAN LABORATORY, DAVID H.KOCH INSTITUTE FOR INTEGRATIVE CANCER RESEARCH, MIT**
Independent Researcher. Studied Dengue virus. Mentored and instructed high school students.
- May-Aug 2011 **MIT- INTERNATIONAL RESEARCH AT CHULABHORN RESEARCH INSTITUTE, BANGKOK, THAILAND**
Researcher on Translational Research Unit. Optimized assays for drug product quality analysis.
- Jan 2010- Jan 2011 **COLALIFE, USA, UK, INDIA**
International Coordinator. Designed containers that could be packaged with medicines and fit between bottles in Coca-Cola crates. Re-engineering supply of drugs to rural areas of developing countries. Founded four campus-wide chapters in US, UK and India. Promoted ColaLife at **CLINTON GLOBAL UNIVERSITY INITIATIVE, MIAMI** (Apr '10); **N.E. REGIONAL CONFERENCE**, Boston (Feb '10).
- May-Aug 2010 **CLINTON HEALTH ACCESS INITIATIVE, PRETORIA, SOUTH AFRICA**
Analyst on the Drug Access Team. Purchased all anti-retroviral (ARVs) for South Africa. Developed mathematical models to forecast number of HIV patients needing treatment. Collaborated with a team of 18 people to advise the South African government on price negotiations with international suppliers, decreasing the cost of ARVs by 53% and saving \$700 million.
- Jul-Aug 2009 **RESEARCH AT LAKE BAIKAL, SIBERIA**
Researcher. Examined the distribution and behavior patterns of endemic fish. Presented at **INTERNATIONAL SOCIETY OF LIMNOLOGY (SIL) CONFERENCE**, South Africa (Aug '10) as the sole undergraduate.

LEADERSHIP

- 2012-2013 **TREASURER OF THE INTERNATIONAL STUDENT ASSOCIATION, MIT**
Developing and managing the budget for a student organization with 2800 international students.
- 2010-2011 **PRESIDENT OF CLASS OF 2012, WELLESLEY COLLEGE**
Directed a team of 20 class council members and served as the spokesperson for 640 students.
- 2009-2010 **CO-FOUNDER, PRESIDENT OF THE WELLESLEY BARAKAT CHAPTER, WELLESLEY COLLEGE**
Founded a campus-wide chapter for an NGO that promotes education in Pakistan and India.

SKILLS

Languages: Proficient in Hindi and Bengali. Basic reading, writing and speech in Russian. Basic Sindhi.

Softwares: Python, MATLAB, PyRosetta, JMP, MS Office, ADOBE Design studio, File maker.

Others: PADI Rescue Scuba diver, Emergency First Respondent, Underwater Photographer, Night, and Deep Diver.

