

LORNA OGOLLA

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Education

Massachusetts Institute of Technology

Candidate for Bachelor of Science in Civil Engineering, GPA 5.0/5.0

- Relevant coursework: Differential Equations, Multi-variable calculus, Engineering Mechanics(Solid and Fluid state), Engineering design and shop, Engineering for Sustainability and Ecology, Java Programming.

Cambridge, MA

Jun. 2012

Kenya High School

Salutarian in class of 204 students. GPA 4.0/4.0

Nairobi, KENYA

Nov. 2006

Relevant Work Experience

MIT Earth System Initiative: Mission 2012

Researcher

Cambridge, MA

Sept. 2008 – Dec. 2008

- Structured research to find a solution to North America's dwindling water supply.
- Managed research specific to the Colorado River Basin, that enabled the team to make useful projections of water availability for the next 50 years.
- Presented my recommendations to a panel of experts in water supply and uploaded the findings onto our team website.

Other Work Experience

MIT Department of Mathematics

Assignment Grader

Cambridge, MA

Sept. 2009 - Present

- Assign grades to weekly assignments done by 20 students in the multi-variable calculus class and thereafter note and record their personal progress in the course material.

Kids to Kids Foundation

Educator/Volunteer

Nairobi, KENYA

May 2009 – Aug. 2009

- Developed customized syllabus to meet the needs of a slum outreach program that educates children from low income households who have grown up without receiving a formal education.
- Presented syllabus to board of directors who adopted it; its implementation led to a more effective way of teaching the 30 new pupils accepted into the program each year.

MIT Archives

Archives Assistant

Cambridge, MA

Sept. 2008 – Mar. 2009

- Single-handedly maintained quality control for all theses accepted by the archives and processed them for printing.
- Developed efficient work plan that led to an increase in theses processed from 40 to 80 per week.

Leadership Experience

MIT Undergraduate Advising and Academic Programming

Undergraduate Student Advisory Board Member

Cambridge, MA

Sept. 2008 - Present

- Work with a team of 7 other highly motivated people to develop and facilitate workshops and open houses to enlighten students and especially freshmen about the various programs, research fields and services offered by the school.

MIT African Students Association

Secretary

Cambridge, MA

Apr. 2009 - Present

- Organize events such as team building retreats, cultural week, alumni events and the annual dinner.
- Relay information and manage documentation for the association.

MIT Undergraduate Advising and Academic Programming

Associate Adviser

Cambridge, MA

Sept. 2009 - Present

- Advise a member of faculty in guiding a set of freshmen through the academics of freshman year; concurrently mentor the freshmen and familiarize them with beneficial practices to adopt for college.

MIT Civil and Environmental Engineering Students Association

Career Fair Officer

Cambridge, MA

Oct. 2009 – Present

- Managing logistics for networking events that help link up students particularly interested with students in the field of Civil and Environmental Engineering.

Skills

Proficient in Microsoft Office. Skilled at operating Windows, OS and Linux operating system. Machine shops skills (Band Saws, Drills and other power and hand operated tools).