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An T. Vu

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Permanent Address:
4812 Chesney Ridge Drive
Austin, TX 78749

Education

Massachusetts Institute of Technology — Cambridge, MA

Dual degree candidate for Master of Science in Technology and Policy and Nuclear Science and Engineering. — June, 2011

Candidate for Bachelor of Science Degree in Nuclear Science and Engineering, GPA: 4.4/5.0. — June, 2009

- Minor in Science, Technology, and Society.
- Relevant coursework: International Development, The Challenges of World Poverty, Wealth, Environment, and Health in Africa, Disease and Society in America, American Science: Ethical Conflicts and Political Choices.

Experience

MIT D-Lab Design Project — Cambridge, MA

Plastic-Bag to Yarn Maker Team — February 2009 – May 2009

- Designed a system to turn plastic bags into continuous strings to be used as yarn for craft-making in Lusaka, Zambia.

MIT Low Dose Rate Irradiator Undergraduate Research — Cambridge, MA

Research Assistant in Radiation Health — February 2008-May 2009

- Observed the effect of continuous, low dose rates, gamma radiation on proliferation of Chinese hamster cells.

Ecole Centrale de Paris *and* Institut Gustave-Roussy — Paris, France

Research Assistant in Biophysics — June 2008-August 2008

- Mapped the membrane response of Chinese hamster cells to a non-homogenous electric field generated by nanosecond pulses.

Nuclear Regulatory Commission — Rockville, MD

Intern in Nuclear Material Safety and Safeguards — June 2007-July2007

- Drafted licensing guidance for the NeoVista, Inc. Sr-90 Ophthalmic System Epiretinal Radiotherapy Unit.
- Analyzed cases of spent fuel misloads to determine acceptability of the use of burnup credit in storage safety analysis.
- Updated the Spent Fuel Storage and Transportation Orders database.

MIT Radiation Biology Undergraduate Research — Cambridge, MA

Research Assistant in Radiation Health — January 2007-May 2007

- Determined the level of the bystander effect from alpha irradiated human tumor cells and healthy cells by observing DNA damage (micro-nuclei formation and cell viability) to nearby non-targeted cells.

MIT Residential Life Program — Cambridge, MA

Secretary — October 2005-January 2007

- Designed posters for display in dormitory events (faculty dinners, seminars).

MIT Nuclear Power Undergraduate Research — Cambridge, MA

Research Assistant in Nuclear Energy — June 2006-August 2006

- Analyzed feasibility of regenerating hydrogen fuel cells using a radioisotope power source.

Axalto Inc. — Austin, TX

Intern in Research and Development — January 2006

- Successfully tested the performance of a secure login smartcard online.
- Used web applications to improve the login interface of the smartcard.

Leadership

MIT Women's Initiative Presenter — January 2008 & January 2009

- Encouraged over 1,000 middle school and high school girls to consider studies and careers in engineering.

MIT Freshman Leadership Program Counselor — August 2007 & August 2008

- Worked with a small team leading a group of 60 freshmen for five days in activities and discussions.

Global Poverty Initiative External Relations Chair — February 2008-May 2008

- Organized an international development fair composed of 30 student groups from universities around the country.
- Attracted 500 attendees.

MIT Freshman Associate Advisor — August 2006-May 2008

- Advised a small group of freshmen on choosing classes and managing college life (class work, activities).

MIT Technology Fair Human Resources Chair — February 2007-February 2008

- Recruited 30 new members, developed member training program, and organized a leadership retreat.

Skills

Computer: HTML, MATLAB.
Languages: French (fluent), Vietnamese (intermediate), and Spanish (beginner).
Mechanical: Band saw, Spot welding.

Activities and Interests

International Development, Global Health, MIT Concert Choir, Kappa Alpha Theta, Piano, Musical Theatre.