

Phitchaya Phothilimthana

McCormick Hall, 320 Memorial Drive, Cambridge, MA 02139
Phone: 617-999-6924 Email: mangpo@mit.edu

EDUCATION

- ❖ **Massachusetts Institute of Technology** **Cambridge, MA**
Candidate for B.S. in Computer Science, expected June 2012.

EXPERIENCE

- ❖ **MIT OpenLabWare, UROP (Spring 2009 – present)** **MIT**
URL: <http://ohw.mit.edu>
Create animation using Java based program, Processing, to enhance learners' understand of related topic material about the MIT research on the website. Visualize theoretical information into animation.
- ❖ **Water Resources Research Internship (January 2009)** **Naresuan University, Thailand**
Investigated the relationship between datasets of precipitating water vapor and rainfall, using Microsoft Excel's analysis tools. Analyzed the relationship between maximum, minimum, and average of radar reflectivity and precipitation, using an adaptive signal processing technique with *Matlab*.
- ❖ **Webmaster, Harvard-MIT Mathematics Tournament (Fall 2008 - present)** **MIT**
URL: <http://web.mit.edu/hmmt/www>
Manage the website using *html* and update information about the coming tournament.
- ❖ **High School Science Project (2006 - 2007)** **Mahidol Wittayanusorn School (MWIT), Thailand**
"Study of the Efficiency of *Lemna perpusila* Torr. to Absorb Ions of Zn^{2+} ."
- Investigated the efficiency of duckweed in absorbing heavy metal in water source. Used a coloring technique with UV visible spectrophotometer to quantify Zn^{2+} by spectrophotometer
- The efficiency depends on the concentration of Zn^{2+} , the duration of absorption, and the circumstance of the water source

LEADERSHIP POSITIONS

- ❖ **Departments Liaison of Society of Women Engineering, MITSWE (2009 - present)** **MIT**
- ❖ **Chair of McCormick Big/Little Sisters, House Government (2009 – present)** **MIT**
- ❖ **President of Thai Scholar 50 Community Service Camp (Summer 2008)** **Hua Hin, Thailand**
Thai Scholar 50 is a group of Thai students who received scholarships in 2007 from the Royal Thai Government to study abroad. The community service camp was designed to spark creative and critical thinking among elementary school students.
- ❖ **Vice-President of Yearbook (2006 - 2007)** **Mahidol Wittayanusorn School, Thailand**
- ❖ **Student Committee (2005 - 2006)** **Mahidol Wittayanusorn School, Thailand**
- ❖ **Co-head of Public Relations, First Thailand International Science Fair (2006)** **Thailand**

SKILLS

Experienced in C, C++, Java, Python, PHP, HTML, Matlab, and parallel programming.

AWARDS AND HONORS

- ❖ **Development and Promotion of Science Talents Project Scholarship, Royal Thai Government (2007 - present)**
Full scholarship for undergraduate to doctoral degree in Computer Science in the U.S.
- ❖ **First Silver Medal in International Olympiad in Informatics, Croatia (2007)**
programming in C/C++
- ❖ **Thailand Outstanding Juvenile of the Year Award (2007)**
for achievement in mathematics, science, and computer technology
- ❖ **Third Place in Thailand Grid Innovation Contest (2007)**
parallel programming team project contest
- ❖ **Bronze Medal in International Olympiad in Informatics, Mexico (2006)**
programming in C/C++. The only female medalist in the competition
- ❖ **Mahidol Wittayanusorn School Scholarship (2005 - 2007)**
Full scholarship for high school at Mahidol Wittayanusorn School, Thailand

ACTIVITIES

sMITe (MIT Women's Ultimate Frisbee Team), Muses (MIT Acapella Group), Harvard-MIT Mathematics Tournament Club, MIT Society of Women Engineering, Thai Students at MIT Club