Elizabeth M. Tsai

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610-917-0509

Education

BROWN UNIVERSITY, *Providence, RI* ....Candidate for Ph.D. in Computer Science, 2007

SWARTHMORE COLLEGE, *Swarthmore, PA* .... BA with High Honours, June 2002
Honours double major Computer Science and Latin, concentration in Peace and Conflict Studies.

FORT COLLINS HIGH SCHOOL, *Fort Collins, CO* ....Valedictorian, June 1998.
4.0/4.0 GPA. National Honor Society member. SAT 800V 700M.

Experience

Undergraduate Reseach. *Texas A&M University,* College Station, TX. ....Summers 2002, 2001
Carried out robotics research with Professors Nancy Amato and Jennifer Walter. Research funded by an
award from the Computer Research Association's Distributed Mentor Program.

Student Area Coordinator. *Amnesty International USA.* 2001-Present
Coordinate student Amnesty International chapters for the Philadelphia region. Duties include acting as a
liason between student groups and national Amnesty chapter, planning human rights events.

Intern. *North Australian Aboriginal Legal Aid Service,* Darwin, NT, Australia. ....Summer 2000
Worked on human rights issues affecting indigenous Australians as part of an Amnesty International schol-
arship. Contributed to organization's communication to UN Human Rights Commission.

System Administrator. *Swarthmore College Computer Science Department.* 1999-Present
Administration of Solaris network. Duties include shell/Perl scripting, hardware and software support,
security, client/server networking, user support.

Computer Science Tutor. *Swarthmore College.* 1999-Present
Tutor Computer Science students in the C programming language, basic UNIX skills.

Publications

Walter, J, E. Tsai and N. Amato. 2002. Choosing good paths for fast distributed reconfiguration of hexago-
nal metamorphic robots. In *Proc. of IEEE 2002 Int'l. Conf. on Robotics and Automation.*

Conferences

- 2002 IEEE Int'l. Conf. on Robotics and Automation - accepted paper.
- 2001 Amnesty International USA Annual General Meeting - invited panelist.

Awards and Scholarships

- 2002, 2001 Computer Research Association Distributed Mentor Program Student Research Grant.
- 2001 Sigma Xi Honor Society.
- 2000 Amnesty International USA Patrick Stewart Human Rights Scholarship.
- 2000 Summer Peace Studies Award for Summer Internships.
- 2000 Howard G. and Harriet Krutz Memorial Fund Award.

Skills and Interests

Computer Skills: UNIX system administration, C, Java, Perl, Scheme, HTML, TEX, Solaris, Win98.

Interests: Amnesty International, indigenous rights, women in Computer Science, improv comedy, classical Latin and Greek.