

JADE Q. WANG

Objective: To be a neuroscientist.

Education

2005 – present **Northwestern University** Evanston, IL
Expected Ph.D. in Neuroscience, 6/10

- Coursework: neuroscience, auditory processing, psychoacoustics, nonlinear dynamics

2001 – 2005 **Stanford University** Stanford, CA
Bachelor of Science in Biology, 6/05 GPA (3.42/4.00)

- Coursework: neuroscience, genetics, cellular/molecular biology, organic chemistry, physical chemistry, computer science, creative writing, archaeology
- Extracurricular Activities: Stanford Wushu Club, Residential Computing

1997 - 2001 **Niles North High School** Skokie, IL
Graduated with Honors, 6/01 GPA (3.99/4.00) Rank (4/520)

- Advanced Placement: Computer Science, Statistics, Economics (macro & micro), Physics (E&M and Mechanics), Calculus BC, English Composition, US History, Music Theory
- Extracurricular Activities: Researchers and Investigators of Tomorrow (RIOT), Worldwide Youth in Science and Engineering (WYSE), National Honors Society, Math Team
- Awards and Achievements: Science Fair (Illinois Junior Academy of Science), AP Scholar with Honor (College Board)

Grants:

NRSA Predoctoral Fellowship (NIDCD). 2007-2010.
Howard Hughes Summer Research Fellowship. 2004.

Publications:

Jade Q. Wang, Trent Nicol, Erika Skoe, Mikko Sams, Nina Kraus. Emotion modulates early auditory response to speech. *Journal of Cognitive Neuroscience*, 2008, in press.

Heng Zhao, Jade Q. Wang, Takayoshi Shimohata, Guohua Sun, Midori A. Yenari, Robert M. Sapolsky, Gary K. Steinberg. Conditions of protection by hypothermia and effects on apoptotic pathways in a model of permanent middle cerebral artery occlusion. *J Neurosurgery*, 2007, in press.

Heng Zhao, Takayoshi Shimohata, Jade Q. Wang, Guohua Sun, David W. Schaal, Robert M. Sapolsky, Gary K. Steinberg. Hypothermia Blocks Nuclear β -catenin Translocation Downstream of glycogen synthase kinase 3- β in Focal Cerebral Ischemia in Rats. *J Neurosurgery*. 58(2):400-401, February 2006.

Heng Zhao, Takayoshi Shimohata, Jade Q. Wang, Guohua Sun, David W. Schaal, Robert M. Sapolsky, Gary K. Steinberg. Akt contributes to neuroprotection of hypothermia against cerebral ischemia in rats. *J Neurosci*. 2005 Oct 19;25(42):9794-806.

Work Experience

2006 – present **Kraus Lab** Evanston, IL
Graduate Student Researcher

- Collect and analyze data
- Develop electronic devices for data collection

2003 – 6/2005 **Steinberg Lab** Stanford, CA
Research Assistant

- presented poster at Society for Neuroscience conference
- Collect and analyze data
- Slicing, staining, and measuring tissues

2003 - 6/2005 **Sapolsky Lab** Stanford, CA
Research Assistant

- Collect and analyze data
- Slicing, staining, and measuring tissues
- pulling fetal tissue for tissue culture

2004 - 6/2005 **Residential Computing** Stanford, CA
Residential Computer Consultant (RCC)

- Maintain network (Network Administrator)
- Educate residents (dorm mates) about their computers
- Help residents with computer-related issues

2002 **Bohannan Lab** Stanford, CA
Laboratory Assistant

- Prepare media, autoclave necessary supplies

2006-2007 **Fedo Family Residence** Evanston, IL
Math Tutor (algebra)

2002 **Wei Family Residence** Stanford, CA
Physics Tutor (for SAT II)

2001 - 2002 **Career Development Center** Stanford, CA
Student Assistant

- Calculate, classify, and catalog financial transactions for CDC
- Compile and organize budget information from the CDC to other departments
- Design and illustrate office data organization

2001 Summer **Dynasty Financial Corp.** Shanghai, China
Translator, Intern

- Coordinated meetings and negotiations with investors and investment companies
- Interpreted Mandarin Chinese to English and vice versa
- Coordinated technological needs of new headquarters

2000 - 2001 **Niles North High School** Skokie, IL
Math and Science Tutor

- Mentored and tutored high school students in all areas of math and science, especially biology and computer science

Other Experience: Presented posters at 2004 Society for Neuroscience Convention, and 2007 Human Brain Mapping Conference.

Heng Zhao, Jade Q. Wang, Guohua Sun, Midori A Yenari, Robert M. Sapolsky, and Gary K. Steinberg, Stanford University, Stanford, CA. Limited protection by hypothermia in a model of permanent MCAO. Program No. 456.7. *Society for Neuroscience, 2004.*

Jade Q. Wang, Trent G. Nicol, Erika Skoe, Mikko Sams & Nina Kraus, Northwestern University, Evanston, IL. Effects of Emotion on Neural Encoding of Sound in the Auditory System. Program No. 355. *Human Brain Mapping, 2007.*

Skills

Computer skills: programming, network troubleshooting, web design, presentation, animation (Flash and other), and digital art. Using: Matlab, Adobe Photoshop, Visio, Code Warrior, MS Visual Studio, Excel, FrontPage, PowerPoint, Macromedia Flash 5, Dreamweaver

Computer languages: fluent in Matlab, C, C++, QBASIC, and knowledge of Java and JavaScript

Languages: fluent in Mandarin Chinese, working knowledge of French

Honors and Awards

Poetry:

- 1st place 2005 Clarence Urmy/Irene Hardy Award for best poem written by a Stanford student
- honorable mention 2006 Sue Sanial Elkind Poetry Contest (*Kalliope*)
- Publications: "To Li Bai" in *Oyez Review*, "Cassandra at the Shore" in *Kalliope*

Martial Arts: 2002 Collegiate Wushu Competition (bronze medal in group set), 2002 Berkeley

Tournament of Chinese Martial Arts

Piano: Society of American Musicians (Senior Finalist, National), Young Steinway Concert Series 2000