

# Quan Wan

cogswan2009@gmail.com • (315) 765-9116

EDUCATION: **Hamilton College**, Clinton, NY **University College London**,  
*Bachelor of Arts*, May 2014 London, UK  
GPA: 3.82 (*Magna Cum Laude*) *Affiliate Psychology Student*, Jan.-  
Major: Psychology Jun. 2013  
Minor: Japanese

**China University of Geosciences, Beijing**, Beijing, China  
Major: Geophysics, Sept. 2007 – June 2009

HONORS: **The Jonathan Marder Prize**, “awarded to a senior who excels in the study of  
psychology,” Hamilton College, awarded May 2014  
**Phi Beta Kappa**, inducted May 2014  
**Psi Chi**, inducted April 2013  
**Phi Sigma Iota**, The International Foreign Language Honor Society, inducted May  
2014  
**Dean’s List**, 2011-2013  
**The Casstevens Family Fund & Academic Fund for Seniors**, granted 2014  
**Edward & Virginia Taylor Scholarship**, Hamilton College, granted 2011 – 2014  
**China National Scholarship**, awarded to a student with exceptionally outstanding  
academic records in his/her field of study, China University of Geosciences, Beijing,  
granted 2008  
**Concentration Scholarship**, awarded to the student with the highest GPA in the  
academic year, China University of Geosciences, Beijing, 2007-2009

INDEPENDENT RESEARCH: *Senior Thesis (HC): Musically-induced chills effects on visual and auditory  
attention* (Prof. Alexandra List)  
Thesis work includes: literature review, design of original experiment, experiment  
programming (MATLAB/PsychToolbox), data collection and analysis, supervision  
of research assistant helping with data collection and processing, APA-formatted  
write-up and 10-minute oral presentation

*One-Term Psychology Research Project (UCL): Prosodic exaggeration in child-  
directed speech in a longitudinal corpus* (Dr. Sam Green)  
Examined prosodic modifications in child-directed speech by transcribing and  
analyzing an ecologically valid, longitudinal linguistic corpus of a mother-child  
dyad

WORK EXPERIENCE: *Lab Manager Molly Lab at Massachusetts Institute of Technology* (Prof. Mary C.  
Potter), Cambridge, MA (Fall 2014 to Summer 2015)  
• Develop, program, run and analyze experiments on visual and auditory perception  
and conceptual short-term working memory using RSVP method  
• Supervise undergraduate research assistant and exchange graduate student  
• General lab management

*Research Assistant Psycholinguistics Lab at Tufts University* (Prof. Ariel M. Goldberg), Medford, MA (Summer 2012)

- Independently ran an experiment on coarticulation (how one vowel influences an adjacent other) on 16 participants (including participant recruitment and scheduling)
- Independently processed speech data on *Praat*

*Research Assistant Language, Action & Brain Lab at Hamilton College* (Prof. Jeremy I. Skipper), Clinton, NY (Summer 2012)

- Collaboratively recruited and ran participants on 4D-EEG studies of real-world communication
- Presented research results in a summer research poster session

*Research Assistant Cognitive Aging & Memory Lab at Tufts University* (Dr. Ayanna Thomas), Medford, MA (Summer 2014)

- Independently ran older adult participants (over age 60) on psychophysical experiments on memory

*Research Assistant Human-Robot Interaction Lab at Tufts University* (Megan Strait), Medford, MA (Summer 2014)

- Processed data for a study targeting patients with Parkinson's Disease by making video annotations

COMPUTER SKILLS:

MATLAB/PsychToolbox; C; C++; SPSS; Microsoft Office; Photoshop; Macintosh & Windows-based proficiency; Praat; Phon

RELEVANT COURSES:

***Psychology/Neuroscience***

	Grades
Language, Action & Brain	A-
Introduction to Brain & Behavior	A
Statistics & Research Methods in Psychology	A
Social Psychology of the Self	A-
Cognition & Consciousness	B+
Adult Psychopathology	B+

***Computer Science/Math/Physics/Engineering***

C Program Design	100/100
C++ Program Design	100/100
Synopsis of Computer Engineering	97/100
Basis & Application of Computer Network	95/100
Advanced Mathematics (1)	98.4/100
Advanced Mathematics (2)	92.8/100
Linear Algebra	100/100
Functions of Complex Variable & Integral Transforms	90.2/100
Probability Theory & Mathematical Statistics (A)	100/100
Equations of Mathematical Physics & Special Functions	91.2/100
College Physics (1)	86.2/100
College Physics (2)	97/100
Experimental Physics (1)	89/100
Experimental Physics (2)	85/100
Electrical & Electronic Engineering	86.8/100
Engineering Mechanics	99/100

### ***Linguistics***

Pragmatics & First Language Acquisition A+  
Phonetics & Phonology A+  
Sociolinguistics (*UCL*) A

### OTHER WORK EXPERIENCE:

**Information Technology Services**, Hamilton College; Fall 2011 - Spring 2014  
*Lab Inspector* Maintained campus computer labs; troubleshoot hardware problems

**Peer Tutoring Center**, Hamilton College; Fall 2011 - Spring 2014  
*Chinese Tutor* Devised and facilitated individual-based tutoring for students' study of Chinese

**Music Library**, Hamilton College, Clinton, NY; Fall 2012 - Spring 2014  
*Circulation Assistant* Assisted users to locate recordings, books and scores; shelved these materials

**Diplomatic Residence Compound**, Beijing, China; Fall 2007 - Summer 2011  
*Home Tutor* Tutored a foreign correspondent's (L. A. Times) son in Chinese and mathematics from age 7 to 11

**Time Out Magazine (Beijing)**, Beijing, China; Summer 2011  
*Intern* Wrote brief columns, edited magazine website, arranged and translated interviews

**Los Angeles Times (Beijing)**, Beijing, China; Summer 2011  
*Intern* Translated and transcribed interviews, and categorized information on the source list

**2008 Beijing Olympic Games**, Beijing, China; Summer 2008  
*Olympic Family Information Desk* Coordinated venue shuttles and provided transport information for foreign dignitaries at Capital Gymnasium in Beijing

LANGUAGES: Spoken and written fluency in English & Mandarin; advanced Japanese

### CORE

### COURSE

### DESCRIPTION:

#### **Language, Action and Brain**

This discussion-based reading-intensive course provides a survey of the current cognitive neuroscience research pertaining to motor, perceptual, and cognitive processes. It aims to promote an understanding of the structure and function of the brain, and the mechanisms and limitations of cognitive neuroscience methods, as well as cultivate the ability to conduct and critically evaluate cognitive neuroscience research.

The lab section of the course entails exercises with neuroanatomy, a meta-analysis project using fMRI data on AFNI, and experience with 4D-EEG (source localization).

#### **Statistics and Research Methods in Psychology**

Topics include the principles of hypothesis testing, t tests, analysis of variance, regression and some non-parametric statistics. Students will learn to use SPSS to analyze data.