

Hörmertjan Yiltiz

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Education Background

Department of Psychology, Peking University

BEIJING

B.S. in Psychology

2010–2014

Key Courses: Experimental Psychology (A-), Physiology (A), Social Cognition (A-), Engineering Psychology (A-), Organizational Psychology (A-), Neuropsychology (A-), Psychological research method-using Matlab (A).

Areas of Research Interest

Affective computing, decision-making, computational modeling, crossmodal perception, ACT-R, AI.

Academic Experience

Researches.....

Center for Brain and Cognitive Sciences, Peking University

BEIJING

Supervisor: Prof. Lihan Chen, clh20000@gmail.com

2014–Present

- 2014 — Present: Yiltiz, H. & Chen, L. (2014). Tactile input and empathy ability modulate the perception of ambiguous biological motion. *Frontiers in Psychology*. (Abstract accepted).
- 2013 – 2014: **Tactile Input Resolves Complex Biological Motion Visual Perception**. Undergraduate thesis (received A+).
- 2012 – 2013: **Meaningful Biological Motion Perception Affected by Tactile Cue**. Funded by *Beijing Innovation Projects*.

Key Laboratory of Noise and Vibration Research, Chinese Academy of Sciences

BEIJING

Lab Assistant, supervisor: Prof. Ming Bao, baoming@mail.ioa.ac.cn

2012–2013

Set up a new Auditory Localization Lab, mainly responsible for lab space design, test parameters and technical assistance.

Motor Control Lab, Department of Psychology

BEIJING

Research Assistant, supervisor: Prof. Kunlin Wei, wei.kunlin@gmail.com

2011–2013

Implemented virtual reality experiment program for automatic hardware-aided targeting of flying objects.

International Conferences.....

- Yiltiz, H. & Chen, L. (2013). Tactile inputs resolve the ambiguous perception of biological point light walkers. *Vision Science Society*, USA, Naples, Florida. doi: 10.1167/13.9.190
- Yiltiz, H. & Chen, L. (2013). Tactile temporal groupings bias perception of ambiguous point light walkers. *The 9th Asia-Pacific Conference on Vision*. China, Jiangsu, Suzhou. doi: 10.1002/pchj.32

Internships & Social Activities

Xinjiang Education Institute

URUMQI, XINJIANG

Developmental Psychology Instructor

July – Sept, 2014

Delivered 40 class lectures on Preschool Child Psychology, organized five class activities and a final examination.

The 23th World Philosophy Congress (23th WCP)

ATHENS, GREECE

The Secretary-General, Delegation of Peking University for 23th WCP

Aug, 2013

Responsible for official business, paper submission, publicity and socializing with related participants.

International Congress for Traditional Chinese Medicine

XINMI, HENAN

Independent simultaneous interpretation from English to Chinese for the whole congress.

Oct, 2012

Beijing Huilongguan (Psychiatric) Hospital <i>Mental Health Evaluator, supervised by Prof. Mingyi Qian, qmy@pku.edu.cn</i>	BEIJING <i>May, 2013</i>
Weixiuyuan Kindergarten & Pei-Chi School for Mentally Retarded Children <i>Psychological Development Consultant, supervised by Prof. Yanjie Su, yjsu@pku.edu.cn</i>	BEIJING <i>Nov, 2012</i>
Western Cultural Exchange Association, Peking University <i>Leader of the Financing Division</i> Sought funding from relevant companies and provided lecture opportunities for financial support.	ATHENS, GREECE <i>2012 – 2014</i>
Arts of Declamation Association, Peking University <i>Leader of the International Division</i> Recruited international students and cooperated with other students' association.	BEIJING <i>2010 – 2012</i>

Honors & Awards

2011: Awards for Outstanding Class Leader.

2012 – 2014, each year: Awards for Outstanding Campus Social Activities.

2010 – 2014, each year: National Grants for College.

2013: Best Translator of The Year by *National Literature* for translating **The Old Man and the Sea** to Uyghur.

Languages & Standardized Tests

Uyghur: First language	<i>Native, orally fluent, academic competent</i>
Mandarin: Second language	<i>Native, orally fluent, academic competent</i>
English: Foreign language	<i>orally fluent, academic competent</i>
<ul style="list-style-type: none"> TOEFL – 109 (Reading 29, Listening 30, Speaking 23, Writing 27) in Oct. 26, 2014 GRE – 325 (Verbal 158, 78%; Quantitative 164, 90%; Analytically Writing 3.0, 15%) in Oct. 12, 2014 	
Arabic: Foreign language	<i>Basic words, phrases and daily communication</i>

Computer Skills

Numerical: Proficient at MATLAB® & PYTHON for experimental design, visualization, data cleansing & analysis, pattern recognition, probabilistic models, digital analog I/O; also at R & SPSS for statistics.

OS: Proficient at LINUX & WINDOWS for OS administration, networking and database management (MySQL).

Misc: Familiar with L^AT_EX, ENDNOTE for academic writing, and LISP for optimization & pattern recognition.

Projects.....

Point Light Walkers: An open source MATLAB® toolbox for biological motion research providing:

- various straightforward psychophysics experimental design;
- 4 dimensional data transformation representing biological motion animation in 3D space;
- visual, auditory and tactile simulation with high precision response capturing;
- semi-automated data cleansing and data analysis (ANOVA, MANOVA, rANOVA and more);
- easy producing various academic plots for publishing or presentation.
- available at <https://github.com/hyiltiz/PLW>

QuiCK Customizable K(q)uestionnaire: An open source MATLAB® toolbox for social survey providing:

- several ready-to-use basic structures as templates;
- support for multiple choice questions with several and/or several answers with reaction time capturing;
- seamless integration with psychophysics experiments using Psychtoolbox library;
- customizable instructions for each items or each sub-scales separately;
- automatic encoding to generate the result for each sub-scales.
- available at <https://github.com/hyiltiz/QuiCK>