

Hörmətjan Yiltiz

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Education

Department of Psychology, Peking University

BEIJING

B.S. in Psychology, Overall GPA – 3.13/4.00; upper division GPA – 3.22; last year GPA – 3.48

2010–2014

Key Courses: Cognitive Psychology, Experimental Psychology, Psychological Assessment, Developmental Psychology, Social Cognition, Neuropsychology, Physiological Psychology, Functional Anatomy of Central Nervous System, Physiology, Personality Psychology, Social Psychology, Engineering Psychology, Psychological Statistics, Data Structure and Algorithm, Introduction to Computation, Probability Theory and Statistics, Linear Algebra, Advanced Mathematics, Logic and Critical Thinking

Languages & Standardized Tests

English: Third language

Con conversationally fluent, academic nature

○ GRE General – 325 (Verbal 158, Quantitative 164, Analytically Writing 3) in Oct. 12, 2014

○ TOEFL – 109 (Reading 29, Listening 30, Speaking 23, Writing 27) in Oct. 26, 2014

Mandarin: Second language

Con conversationally fluent, academic nature

Uyghur: First language

Native, literary translation

Arabic: Basic

Basic words, phrases and daily communication

Experience

Academic

Center for Brain and Cognitive Sciences, Peking University

BEIJING

Undergraduate thesis, supervised by Prof. Lihan Chen, clh20000@gmail.com

2014–Present

Investigated the overall direction perception of point light walkers and circular scattered dots with task-irrelevant face stimuli as background, which have three levels (angry, neutral or happy) of emotional valences and the role of perception style in this process. Specific methods are similar to my undergraduate research. Found that the overall direction perception of walkers showed a facing away effect, while a facing away effect was found for circular dots. Also, higher interpersonal reactivity influenced the directional perception of walkers more easily when a positive face valence background was presented. Subjects with higher social anxiety demonstrated a stronger facing bias than did the group with lower social anxiety. This pattern was not observed with random dot stimuli (without biological meaning). Overall, the data showed that perception of ambiguous walkers could be resolved by tactile input and modulated by higher social cognitive styles (empathy and social anxiety). Research hours: 400h

Multisensory Research Lab, Department of Psychology, Peking University

BEIJING

Undergraduate thesis, supervised by Prof. Lihan Chen, clh20000@gmail.com

2013–2014

Simulated the feedback of point light walker's visual footfall, to investigate the role of this the tactile input in resolving directional depth (inward or outward) perception of ambiguous walkers in binocular rivalry through stereoscope, while the feedback is slightly altered/modulated in temporal structure. Two different colored walkers were presented on each side of the screen slightly tilted symmetrically along azimuthal axis and therefore triggered depth perception. Tactile stimuli were presented on each corresponding ankles. Social anxiety level for each participant was assessed. Data showed direction of the dominant apparent motion corresponding to the different temporal structure of tactile stimuli influences that of walkers, and that the effect is stronger in observers with high empathy concern level. Research hours: 1000h

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

BEIJING

Lab Assistant, supervised by Prof. Ming Bao, baoming@mail.ioa.ac.cn

2012–2013

Collaboratively established Auditory Localization Lab, mainly responsible for psychophysical configurations and orderings for required hardware. Specifically, provided desired engineering parameters for the framework, speakers, chips etc.; selected and ordered high frequency professional monitor, laser pointer, LEDs, high precision potentiometer etc.

Center for Brain and Cognitive Sciences, Peking University

BEIJING

Beijing Innovation Projects (independent project), supervised by Prof. Lihan Chen, clh20000@gmail.com 2012–2013

Two different colored point light walkers with opposite local walking directions (left or right) were presented on the center of the screen simultaneously. Walkers were masked by grey dynamic random noise dots and were projected through anachrome optical diopter glasses. Tactile stimuli simulating the visual footfall of walkers were presented on participant's corresponding index finger. They reported perceived dominant direction of visual walker with two pedal switch. Also tested while walkers were inverted. Found that task-irrelevant tactile stimuli could resolve binocular rivalry between ambiguous walkers under mask for upright walkers, suggesting the presence of tactile input effects high-level processing in visual modality. Research hours: 800h

International Meetings.....

Annual Meeting – Vision Science Society 2013 (VSS 2013)

NAPLES, FLORIDA

Abstract and poster for the meeting, supervised by Prof. Lihan Chen, clh20000@gmail.com

May, 2013

Title: Tactile inputs resolve the ambiguous perception of biological point light walkers. doi: 10.1167/13.9.190

Annual Meeting – The 9th Asia-Pacific Conference on Vision (APCV 2013)

SUZHOU, JIANGSU

Poster presentation, supervised by Prof. Lihan Chen, clh20000@gmail.com

July, 2013

Title: Tactile temporal groupings bias perception of ambiguous point light walkers. doi: 10.1002/pchj.32

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.

Vocational.....

Xinjiang Education Institute

BEIJING

Teacher (Developmental Psychology), hired by Amangül, 542398786@qq.com

July – Sept, 2014

Beijing Huilongguan (Psychiatric) Hospital

BEIJING

Intern, supervised by Prof. Mingyi Qian, qmy@pku.edu.cn

May, 2013

Weixiuyuan Kindergarten & Pei-Chi School for Mentally Retarded Children

BEIJING

Intern, supervised by Prof. Yanjie Su, yjsu@pku.edu.cn

Nov, 2012

Computer Skills

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

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

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

Projects.....

PLW: Point Light Walkers, a MATLAB toolbox for biological motion research providing:

- support for read/write access to scientific data format HDF5;
- various straightforward psychophysics experimental design;
- 4 dimensional data transformation representing biological motion animation in 3D space;
- high precision on-the-fly visualization built upon Psychtoolbox (using OpenGL);
- 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 and/or presentation.

QuiCK: QuiCK Customizable Kuestionnaire, a MATLAB toolbox for scientific survey providing:

- several ready-to-use basic structures as templates;
- reaction time capturing in high-precision;
- support for multiple choice questions with several and/or several answers;
- support for Psychtoolbox (OpenGL) that integrates seamlessly with your current psychophysics experiments;
- customizable instructions for each items or whole sub-scales;
- automatic encoding to generate the result for each sub-scales.

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Company Recruitment team
Company, Inc.
123 somestreet
some city

January 01, 1984

Dear Sir or Madam,

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Yours faithfully,

Hörmetjan Yiltiz

Attached: curriculum vita