Dalin (Darlene) Guo

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EDUCATION University of California, San Diego

Sept. 2018 - Present

Ph.D. Student in Cognitive Science

University of California, San Diego

Sept. 2016 - June, 2018

M.S. in Intelligent System, Robotics and Control, EE, GPA: 3.97/4.0

University of California, San Diego

Exchange Student, EECS, GPA: 3.94/4.0

Sept. 2015 - Mar, 2016

Beijing Institute of Technology

B.S. in Signal Processing, EE, GPA: 90/100

Sept. 2012 - June, 2016

PUBLICATIONS Guo, D, Yu, A J (2018). Why so gloomy? A Bayesian explanation of human pessimism bias in the multi-armed bandit task. NIPS, 2018

> Harlé, K M, Guo, D, Zhang, S, Paulus, M, Yu, A J (2017). Anhedonia and anxiety underlying depressive symptomatology have distinct effects on reward-based decisionmaking. PloS. ONE 12(10):e0186473.

RESEARCH **EXPERIENCE** Computational & Cognitive Neuroscience Lab, UCSD, La Jolla, CA USA Sept, 2016 - Present

Graduate Student Researcher, Advisor: Angela J. Yu

Human learning and decision-making in multi-armed bandit task

Center for functional MRI, UCSD, La Jolla, CA USA

Student Research Intern, Advisor: Thomas T. Liu July, 2015 - Mar, 2016

Resting-state fMRI pre-processing and dynamic brain connectivity analysis

HONORS & AWARDS

Cosyne Presenters Travel Grant, 2018

Woman in Machine Learning Travel Grant, 2017

UCSD Travel Grant, 2017

Departmental fellowship, ECE department, UCSD, 2016 Merit based departmental scholarship, BIT, 2013-2015

Mizuho Scholarship, 2012

INVITED & **TALKS**

Nanosymposium at Society for Neuroscience Annual Meeting - San Diego, CA

CONTRIBUTED Nov., 2018. "Humans underestimate reward probability and overestimate environmental volatility in a multi-armed bandit task - insights from a Bayesian analysis of

human learning and decision-making"

Weekly Seminars of CFMRI, UC San Diego - San Diego, CA

May, 2018. "Human learning and decision-making in multi-armed bandit tasks"

CONFERENCE **POSTERS**

Guo, D, Meyniel, F, Yu, A J (2018). Recovering human reward expectation in a bandit setting using Bayesian models. Cosyne Abstracts 2018, Denver, CO, USA

Guo, D, Yu, A J (2017). Human learning and decision-making in the multi-armed bandit task. Woman in Machine Learning Workshop, Long Beach, CA, USA

Guo, D, Yu, A J (2017). Dependence of reward-based learning and decision-making on environmental statistics such as reward abundance and variance. Society for Neuroscience Annual Meeting, Washington D.C., USA

SERVICES Reviewer for WiML 2017

AFFILIATIONS 2017-Present Society for Neuroscience

TEACHING COGS 118D Mathematical Statistics for Behavioral Data Analysis, UCSD

EXPERIENCE Teaching Assistant Winter 2017, Winter 2018

OTHER Mentorship of Undergraduate Research Student, UCSD

EXPERIENCE Jianling Liu (ECE), Jingya Huang (CogSci) June, 2017 - Sept, 2017

IBM China Development Lab, Beijing, China

Technical Intern, PureApplication team May, 2016 - Aug, 2016

LANGUAGES English (full professional proficiency), Mandarin (native speaker)