

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** Sept. 2015 - Mar, 2016
Exchange Student, EECS, GPA: 3.94/4.0
- Beijing Institute of Technology** Sept. 2012 - June, 2016
B.S. in Signal Processing, EE, GPA: 90/100
- 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 decision-making. *PloS. ONE* 12(10):e0186473.
- RESEARCH EXPERIENCE** **Computational & Cognitive Neuroscience Lab, UCSD**, La Jolla, CA USA
Graduate Student Researcher, Advisor: Angela J. Yu Sept, 2016 - Present
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** NIPS Travel Grant, 2018
Cosyne Presenters Travel Grant, 2018
Woman in Machine Learning Travel Grant, 2017, 2018
UCSD Travel Grant, 2017
Departmental fellowship, ECE department, UCSD, 2016
Merit based departmental scholarship, BIT, 2013-2015
Mizuho Scholarship, 2012
- INVITED & CONTRIBUTED TALKS** Nanosymposium at Society for Neuroscience Annual Meeting - San Diego, CA
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, 2018

AFFILIATIONS 2017-Present Society for Neuroscience

TEACHING EXPERIENCE **COGS 118A Introduction to Machine Learning I**, UCSD
Teaching Assistant Fall 2018
COGS 118D Mathematical Statistics for Behavioral Data Analysis, UCSD
Teaching Assistant Winter 2017, Winter 2018

OTHER EXPERIENCE **Mentorship of Undergraduate Research Student**, UCSD
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)