

# Dalin (Darlene) Guo

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Education	<b>University of California San Diego</b> Ph.D. Student in Cognitive Science Ph.D. Student in Electrical and Computer Engineering	<b>La Jolla, CA</b> Sept., 2018 - Dec., 2021 ( <i>expected</i> ) Sept., 2016 - July, 2018
	<b>University of California San Diego</b> M.S. in Intelligent System, Robotics and Control, ECE, GPA: 3.9/4.0	<b>La Jolla, CA</b> Sept., 2016 - June, 2018
	<b>University of California San Diego</b> Exchange Student, EECS, GPA: 3.9/4.0	<b>La Jolla, CA</b> Sept., 2015 - Mar., 2016
	<b>Beijing Institute of Technology</b> B.S. in Signal and Image Processing, Electrical Engineering, GPA: 90/100	<b>Beijing, China</b> Sept., 2012 - June, 2016
Skills	Python, Java, TensorFlow, SQL, HTML, Javascript, php, Git, LaTeX Machine Learning, Reinforcement Learning, Deep Learning, Bayesian Methods, Statistics	
Publications	<b>Guo, D</b> , Ktena, S, Myana, P, Huszar, F, Shi, W, Tejani, A (2020). Deep Bayesian Bandits: Exploring in Online Personalized Recommendations. <i>RecSys</i> . ( <i>acceptance rate: 20%, scores: 3,4,5</i> )	
	<b>Guo, D</b> , Yu, AJ (2018). Why so gloomy? A Bayesian explanation of human pessimism bias in the multi-armed bandit task. <i>NeurIPS</i> . ( <i>acceptance rate: 20%, scores: 8, 8, 7</i> )	
	Harlé, K M, <b>Guo, D</b> , Zhang, S, Paulus, M, Yu, AJ (2017). Anhedonia and anxiety underlying depressive symptomatology have distinct effects on reward-based decision-making. <i>PLoS ONE</i> 12(10):e0186473.	
Industry Experience	<b>Facebook, Feed and Story Content Recommendation team</b> Software Engineer Intern, Machine Learning	<b>Menlo Park, CA</b> July, 2020 - Sept., 2020
	<ul style="list-style-type: none"><li>- Implemented a backend service to recommend exploratory items based on similarity models</li><li>- Built a web demo tool to display exploratory items for offline model analysis</li><li>- Researched on incorporating reinforcement learning techniques into current production system</li></ul>	
	<b>Twitter, Cortex Applied Machine Learning team</b> Machine Learning Researcher Intern	<b>London, UK</b> June, 2019 - Sept., 2019
Research Experience	<b>IBM China Development Lab, PureApplication team</b> Technical Intern	<b>Beijing, China</b> May, 2016 - Aug., 2016
	<ul style="list-style-type: none"><li>- Set up environment and installed software products on multiple virtual servers based on Ansible</li><li>- Built a mock server for software development testing based on IBM Rational Integration Tester</li></ul>	
	<b>Computational &amp; Cognitive Neuroscience Lab, UC San Diego</b> Graduate Student Researcher, Advisor: Angela J. Yu	<b>La Jolla, CA</b> Sept., 2016 - Present
Teaching Experience	<ul style="list-style-type: none"><li>- Bayesian predictive modeling of human learning and decision-making in multi-armed bandit tasks</li><li>- Investigated different uncertainty-driven computational factors for human exploratory behaviors</li><li>- Recovered and explained human irrationality of a low prior reward expectation (NeurIPS 18)</li><li>- Compared human decision-making vs. various reinforcement learning models</li><li>- Investigated impaired decision-making process of depressed population via modeling (PloS 17)</li></ul>	
	<b>Center for functional MRI, UC San Diego</b> Undergraduate Research Intern, Advisor: Thomas T. Liu	<b>La Jolla, CA</b> July, 2015 - Mar., 2016
	<ul style="list-style-type: none"><li>- Experimented various motion correction techniques in a fMRI pre-processing pipeline</li><li>- Performed resting-state fMRI connectivity analysis within and across subjects</li></ul>	
Teaching Experience	<b>COGS 118A Intro to Machine Learning, UC San Diego</b> Teaching Assistant	<b>La Jolla, CA</b> Fall 2018
	<ul style="list-style-type: none"><li>- Rigorous introduction to ML, covering fundamentals and hands-on skills in supervised learning</li></ul>	
Teaching Experience	<b>COGS 118D Stats/Behavioral Data Analysis, UC San Diego</b> Teaching Assistant	<b>La Jolla, CA</b> Winter 2017 & Winter 2018
	<ul style="list-style-type: none"><li>- Mathematically sophisticated course covering both classical and Bayesian statistical methods</li></ul>	