Joselyn Ho

Irvine, CA 92617
(310) 951-9386
joselyn.ho@uci.edu

Summary

Objective: Seeking 2019 internship in data science or research to produce insights and solve challenges

Cognitive Science Ph.D. (expected June 2021)

Six years of experience in quantitative research. Skills include:

Research and Analyses

Auditory perception | Statistical modeling | Signal detection analysis | Time series analysis

Programming

Matlab	Python	C#/Unity	PHP	LaTeX
R	C++	Javascript	HTML/CSS	Praat

Education

2016-2021 **Ph.D. in Cognitive Neuroscience**, *University of California, Irvine*, GPA: 4.0.

2016-2019 **M.S. in Cognitive Neuroscience**, *University of California, Irvine*, GPA: 4.0.

2012-2016 **Bachelor of Science in Cognitive Science**, *University of California, Los Angeles*, GPA: 3.65.
Minor: Neuroscience, Specialization in Computing
Departmental Honors, Regents Scholar

Experience

Sept 2016 – present **Graduate Student Researcher**, *University of California, Irvine*.
Use Matlab to create experiments, analyze data, and test statistical models of music tonality perception. Investigate the relationship between musical scale-sensitivity and speech processing in the general population and individuals with autism spectrum disorder.

July 2018 – Sept 2018 **Data Science Intern**, *Northrop Grumman*, Albuquerque, New Mexico.
- Research in threat perception: Designed and built an experiment in Unity/C#. Analyzed the data with R.
- Data analysis: Applied statistics to large datasets and created visualizations with R.
- Research in biometrics: Created experiments and recorded and analyzed physiological data with Matlab.

Fall 2016 – Summer 2018 **Teaching Assistant**, *University of California, Irvine*.
Led interactive discussion sections for undergraduate students, wrote exam questions, and graded assignments

Summer 2015, 2016 **Teaching Assistant**, *Johns Hopkins Center for Talented Youth*.
Designed curriculum and led interactive activities to teach Psychology to 6th-12th grade students.

April 2015 – June 2016 **Research Assistant**, *UCLA*, Rissman Memory Lab.
Conducted a full-length study on facilitating the memory of image-melody pairs. Used Matlab to create the experiment and SPSS to analyze data (T-tests, ANOVA). Wrote up the findings in my honors thesis.

Sept 2013 – June 2016 **Research Assistant**, *UCLA*, Human Perception Lab.
Designed experiments, compiled stimuli, and used signal detection methods to analyze data. Developed technology that trains listeners to recognize abstract patterns in algebra and musical composer styles.

Achievements

Leadership Research Mentor to undergraduate students at University of California, Irvine (2016-present)
President of the Cognitive Science Student Association at UCLA (2015-2016)

Publication Bufford, C. A., Thai, K. P., **Ho, J.**, Xiong, C., Hines, C. A., & Kellman, P. J. (2016). Perceptual Learning of Abstract Musical Patterns: Recognizing Composer Style. Proceedings of the 14th International Conference on Music Perception and Cognition, 8-12. http://bit.ly/Bufford2016

Poster **Ho, J.**, Hickok, G., & Chubb, C. (2018, Nov). Musical sensitivity correlates with pitch production ability in speech. Poster presented at the 59th Annual Meeting of the Psychonomic Society, New Orleans, LA. http://bit.ly/HoHickokChubb2018