

EMILY X MESCHKE

emeschke@usc.edu | (805) 832 – 0084
1256 W 29th St, Apt 304, Los Angeles CA 90007
geon.usc.edu/~emily/ | [linkedin.com/in/emily-meschke](https://www.linkedin.com/in/emily-meschke)

Education

University of Southern California | 2015 – 2019

B.S. in **Computational Neuroscience** | Minor in **Computer Science**

Relevant Coursework – Principles of Software Development, Cognitive Neuroscience, Intro to Artificial Intelligence

Research

USC Image Understanding Lab | PI: Dr. Irving Biederman | Fall 2015 – Present

Conduct psychophysical testing and neuroimaging research on human face recognition and congenital prosopagnosia.

Publications

Meschke, E.X., & Biederman, I. (2018). Discriminating Doppelgängers. *Psychological Science*, submitted.

Hacker, C.M., **Meschke, E.X.**, & Biederman, I. A Face in a (Temporal) Crowd. *Vision Research*, in press.

Biederman, I., Shilowich, B.E., Herald, S.B., Margalit, E., Maarek, R., **Meschke, E.X.**, & Hacker, C.H. The Cognitive Neuroscience of Person Identification. *Neuropsychologia*, in press.

Conference Presentations and Posters

Biederman, I., Margalit, E., Herald, S.B., Maarek, R., & **Meschke, E.** (2018). What is the Nature of the Perceptual Deficit in Congenital Prosopagnosia? Talk accepted to the Annual Meeting of Vision Sciences Society, St. Petersburg Beach, Fl. May.

Meschke, E.X., Hacker, C.M., & Biederman, I. (2018). How Many Faces Can a Person Recognize? Poster accepted to be presented at the Annual Meeting of the Vision Sciences Society, St. Petersburg Beach, Fl. May.

Hacker, C.M., **Meschke, E.X.**, & Biederman, I. (2018). Recognition of Stretched Faces. Poster accepted to be presented at the Annual Meeting of the Vision Sciences Society, St. Petersburg Beach, Fl. May.

Zhu, T., Nelken, M., Hacker, C.M., **Meschke, E.X.**, & Biederman, I. (2018). Matching Depth-Rotated Faces at Varying Degrees of Physical Similarity. Poster accepted to be presented at the Annual Meeting of the Vision Sciences Society, St. Petersburg Beach, Fl. May.

Meschke, E.X., Hacker, C.M., Juarez, J.J., Maarek, R.S., & Biederman, I. (2017). Detecting Unspecified Familiar Faces. Poster presented at the Annual Meeting of the Vision Sciences Society, St. Petersburg Beach, Fl. May.

Biederman, I., **Meschke, E.**, Maarek, R., & Margalit, E. (2017). What is the Nature of the Perceptual Deficit in Congenital Prosopagnosia? Paper presented at the Annual Meeting of the Society of Experimental Psychologists, Vanderbilt Univ., Nashville, TN. March.

Biederman, I., Margalit, E., Maarek, R.S., **Meschke, E.X.**, Shilowich, B.S., Hacker, C. M., Juarez, J.J., Seamans, T. J., & Herald, S.B. (2017). What is the Nature of the Perceptual Deficit in Congenital Prosopagnosia? Poster presented at the Annual Meeting of the Vision Sciences Society, St. Petersburg Beach, FL. May.

Irawan, I., Margalit, E., **Meschke, E.**, Herald, S.B., & Biederman, I. (2016). Vertices are Effective in Perceptual Grouping (and Ungrouping) in Object Recognition. Poster presented at the Annual Meeting of the Vision Sciences Society, St. Petersburg Beach, FL. May.

Skills

Programming – Java, MATLAB, C/C++, Python, Psychtoolbox, HTML/CSS/JS, Bash, R

Software – FSL, Adobe Photoshop, Qualtrics

Methodologies – fMRI, Psychophysical research, Behavioral research, Experimental design, Online surveys

Awards and Grants

USC Presidential Scholarship | 2015 – 2019

Half tuition merit-based scholarship.

USC Rose Hills Undergraduate Research Fellowship | 2017

Award supporting full-time research in science or engineering over the summer.

USC Provost's Undergraduate Research Fellowship | 2016 – 2017

Five-time recipient of award established to provide support to student researchers.

USC SOAR (Student Opportunities for Academic Research) Grant | 2018

Grant supporting undergraduate research with a faculty mentor.

Arnold W. Bramlett Scholarship | 2017 – 2018

Awarded to high-performing students studying in USC Dornsife.

Professional Society Memberships

Vision Science Society, Society of Women Engineers, Association for Psychological Science.