

## Eshed Margalit

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### Education

Stanford University | 2016 - Present  
Neurosciences Ph.D. Program

University of Southern California | 2012 - 2016  
B.S. with Honors in **Computational Neuroscience**  
Minor in **Computer Science**  
Cumulative Major and Minor GPA: **3.99**

### Research

**Stanford University Rotations** | 2016  
Fall: Vision & Perception Neuroscience Lab (*Dr. Kalanit Grill-Spector*)  
Winter: NeuroAI Lab (*Dr. Daniel Yamins*)

**USC Image Understanding Lab** | 2014 – 2016  
Focus on computational modeling, psychophysical testing, and neuroimaging research on human visual perception, developmental prosopagnosia, and object recognition  
*PI: Dr. Irving Biederman*

**USC Emotion and Cognition Lab** | 2013 – 2014  
Focus on the interaction between aging and the locus-coeruleus norepinephrine system, models of attention, and neural correlates of biases in attention  
*PI: Dr. Mara Mather*

### Publications

#### Published

1. Clewett, D., Lee, T.H., Greening, S., Ponzio, A., **Margalit, E.**, & Mather, M. (2016). Neuromelanin marks the spot: Identifying a locus coeruleus biomarker of cognitive reserve in healthy aging. *Neurobiology of Aging*, 37, 117-126.
2. **Margalit, E.**, Shah, M.P., Tjan, B.S., Biederman, I., Keller, B., & Brenner, R. The lateral occipital complex shows no net response to object familiarity. *Journal of Vision*. *Journal of Vision*, 16(11).

3. **Margalit, E.**, Herald, S.B., Yue, X., von der Malsburg, C., & Biederman, I. An applet for the Gabor Scaling of the Differences Between Complex Stimuli. *Attention, Perception, & Psychophysics*, 78(8), 2298-2306.

## **Conference Presentations and Posters**

1. Biederman, I., Herald, S. B., Xu, X., Amir, O., Shilowich B. E., & **Margalit, E.** (2015). Phonagnosia, a Voice Homologue to Prosopagnosia. Poster presented at the Annual Meeting of the Vision Sciences Society, St. Petersburg Beach, FL. May.
2. Clewett, D., Lee, T.H., Greening, S. G., Ponzio, A., **Margalit, E.**, & Mather M. (2015). Neuromelanin Marks the Spot: A Locus Coeruleus Substrate of Cognitive Reserve in Healthy Aging. USC Neuroscience Graduate Student Symposium, Los Angeles, CA. Jan.
3. Biederman, I., **Margalit, E.**, Tjan B.S., & Shah, M.P. (2016). What is actually affected by the scrambling of objects when localizing LOC? To be presented at the Annual Meeting of the Vision Sciences Society, St. Petersburg Beach, FL. May.
4. **Margalit, E.**, Yue, X., & Biederman, I. (2016). Impaired Face and Non-face Discrimination in Developmental Prosopagnosics (DPs). To be presented at the Annual Meeting of the Vision Sciences Society, St. Petersburg Beach, FL. May.
5. Irawan, I., **Margalit, E.**, Herald, S.B., & Biederman, I. (2016). Vertices are Effective in Perceptual Grouping (and Ungrouping). To be presented at the Annual Meeting of the Vision Sciences Society, St. Petersburg Beach, FL. May.
6. Biederman, I., **Margalit, E.**, Tjan, B. S., & Shah, M. P. (2016). What is actually affected by the scrambling of objects when localizing LOC? Paper presented at the Annual Meeting of the Society of Experimental Psychologists. Columbia University, New York. April.

## **Skills**

### **Programming**

Python, MATLAB, Bash, R, C/C++, Java, Psychtoolbox, HTML/CSS/JS (see [geon.usc.edu/GJW](http://geon.usc.edu/GJW) for a recent example)

### **Specialized Software**

Tensorflow, FSL, Freesurfer

### **Methodologies**

fMRI, Gabor-Jet modeling, Eye-tracking, Behavioral/Psychophysical research, Salivary Alpha Amylase Collection, Online surveys

## **Awards and Grants**

### **NSF Graduate Research Fellowship Program Fellow | 2016 – 2021**

NSF fellowship recognizes and supports outstanding graduate students in NSF-supported science, technology, engineering, and mathematics disciplines

**USC Neuroscience Outstanding Student of the Year | 2016**

Awarded to USC's best neuroscience student with senior standing

**Brian Philip Rakusin Neuroscience Award | 2015**

Awarded to USC's best neuroscience student with sophomore or junior standing

**USC Discovery Scholar | 2016**

Awarded to students who excel in the classroom while demonstrating the ability to create exceptional new scholarship

**USC Provost's Undergraduate Research Fellowship | 2013-2016**

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

**USC SOAR (Student Opportunities for Academic Research) Grant | 2015**

Grant supporting undergraduate research with a faculty mentor

**USC Dean's Scholarship | 2012-Present**

Merit-based tuition scholarship

**George H. Mayr Scholarship Foundation | 2015**

Awarded to outstanding students from California in the college of letters, arts, and sciences

**USC University Trustees Award | 2016**

Awarded for highest GPA among undergraduate males at the University

**Phi Beta Kappa Honor Society | 2015****Service**

**Student Representative**, USC Undergraduate Neuroscience Executive Committee | 2015 -2016

**Team Captain**, USC Cross Country Club | 2014-2015

**Mentor** to undergraduate lab members: Jordan Juarez, Isabel Irawan, Emily Meschke, and Rafael Maarek