

# BETHANY HUNG

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## EDUCATION

**Brown University**  
PROVIDENCE, RI • MAY 2019

Sc.B. Cognitive Neuroscience  
4.0 GPA, Pre-Health

Neuroscience (Structure & Systems), Cognitive Neuroscience, Neural Nets, Visual Perception, Statistics, Physiology, Biochemistry, Organic Chemistry, Microbiology

## SKILLS

**Imaging**  
EEG (EGI & EasyCap)

**Languages**  
Matlab (inc. Psychtoolbox),  
Mathematica, R, Python,  
HTML/CSS, jQuery

**Software**  
Illustrator, Photoshop,  
InDesign, SPSS

**Interests**  
graphic design, nail polish,  
metallic clothing

## EXPERIENCE

**Perception, Action, & Cognition Lab** *Undergraduate Student Researcher*  
PI JOO-HYUN SONG • BROWN UNIVERSITY • FEB. 2017 – PRESENT

Designing and executing cognitive neuroscience honors thesis on attentional models of visual crowding. Writes scripts to analyze steady-state visual evoked potential (SSVEP) frequency-tagged data. Runs subjects on a 32-channel EasyCap EEG.

**Stanford Vision & Neuro-Development Lab** *Visiting Researcher*  
PI ANTHONY NORCIA • STANFORD UNIVERSITY • SUMMER 2016 + SUMMER 2017

SUMMER 2017 • Collaborated with Dr. Jeffrey Goldberg of Stanford Ophthalmology on a novel screen for glaucoma using electrophysiology (EEG VEPs). Optimized stimuli for selective activation of ON/OFF visual pathways, wrote Matlab scripts for EEG analysis (time & frequency domains), ran EEG subjects. Developed & published code on phase analysis in the frequency domain. *Currently co-authoring paper; mid-2018 submission*

SUMMER 2016 • Designed psychophysics + EEG paradigms to investigate bistability of motion percepts. Wrote Matlab scripts to analyze psychophysical (Weibull functions) and EEG (Reliable Components Analysis) data. Ran subjects on a 128-channel EGI EEG.

**3D Shape Lab** *Undergraduate Student Researcher*  
PI FULVIO DOMINI • BROWN UNIVERSITY • SEP. 2015 – PRESENT

Assisted in designing psychophysical tasks & stimuli for examining human depth perception. Ran participants in physical object & virtual reality experiments. *Currently co-authoring paper; early 2018 submission*

## LEADERSHIP + IMPACT

**Hack@Brown** *Outreach Team Lead*  
BROWN UNIVERSITY • AUG. 2016 – PRESENT

Leads a team of 4 in managing communications and the public interface for Brown's annual hackathon, where 400 participants code for 24 hours. Goals: promoting accessibility, inclusivity, and diversity.

**NARAL Pro-Choice Brown University** *President*  
BROWN UNIVERSITY • OCT. 2016 – PRESENT

Pro-choice organization with heavy emphasis on intersectionality, and dismantling issues of representation/diversity found in many other social justice organizations.

**B-SIDE Magazine** *Managing Editor*  
BROWN UNIVERSITY • SEP. 2015 – PRESENT

Formerly creative director; designed cover and layout of 2018 print edition.  
*bsidemagazine.org*.