# Sharif Saleki

Psychological and Brain Sciences Department
Dartmouth College
HB 6207, Hanover, NH, United States

sharif.saleki.gr@dartmouth.edu
+1 (603) 277-8811

## Research Interests

- Motion and Position Perception
- Attention and Reward
- Perceptual Learning

## Education

### Ph.D. Candidate in Cognitive Neuroscience

Dartmouth College, Hanover, NH, United States
Sep 2018- Dec 2022 (Expected)

**Advisor**: Prof. Peter U. Tse

**Courses**: Programming for Psychology and Neuroscience, Computational Methods in Neuroscience, Measurement and Statistics I & II, Cognitive Neuroscience, Foundational Neuroscience

### M.Sc. Degree in Cognitive Science

Institute for Cognitive Science Studies, Tehran, Iran
Sep 2016- July 2018
**Advisor**: Prof. Ali Yoonessi

**Thesis**: The effect of incidental emotions on decision-making.

### B.Sc. Degree in Psychology

Allameh Tabatabaei University, Tehran, Iran
Sep 2010 - July 2015
**Senior thesis**: Relation between musical-genre preference and personality characteristics.

## Technical Skills

### Psychophysics and Quantitative Measurement

PsychoPy, jsPsych

### Eye-tracking

Pygaze, Pylink

### Neuroimaging and fMRI

Nilearn, NLTools, Nibabel, MNE-Python

### Statistical Analysis

Numpy, Pandas, scikit-learn, SciPy, Pingouin, R

### Version Control

Git

### Familiar with

PyTorch, SQL, Bash, Javascript, HTML/CSS, Django, Flask

## Publications

- **Saleki, S**., Ziman, K., Hartstein, K. C., Cavanagh, P., Tse, P. U. (2021). Endogenous attention modulates transformational apparent motion based on high-level shape representations. *Under review*, Journal of Vision.
- Hartstein, K. C., **Saleki, S.**, Ziman, K., Cavanagh, P., Tse, P. U. (2021). First- and second-order transformational apparent motion rely on common shape representations. *Vision Research*.
- **Saleki, S.**, Cavanagh, P., Tse, P. U. (2021). A position anchor sinks the double-drift illusion. *Journal of Vision*.
- Mirtorabi, S. D., **Saleki, S.**, Rahmanian, M. S., Hadizadeh, H., Rostami, R., Yoonessi, A. (2018). Direct and Indirect Measures of Attention Indicate a Bias Toward Cues in Methamphetamine Users. *Basic and Clinical Neuroscience*.

## Posters and Abstracts

- **Saleki, S.**, Cavanagh, P., Tse, P. U. (2021). The effect of a moving reference-frame depends on its perceived not physical motion. *Vision Science Society*. Virtual conference.
- Lytchenko, T. K., Heller, N. H., **Saleki, S.**, Tse, P. U., Caplovitz, G. P. (2021). Neural Correlates of Object-Based Attention in Early Visual Cortex in a 100% Valid Exogenous Cuing Task. *Vision Science Society*. Virtual conference.
- **Saleki, S.**, Farashahi, S., Soltani, A. (2021). Neural Correlates of Learning Strategies in Non-generalizable Multi-dimensional Environments. *Organization for Human Brain Mapping*. Virtual conference.
- **Saleki S.**, Cavanagh, P., Tse, P. U. (2019). Motion Induced Blindness triggered by sparse moving dot backgrounds. *Society for Neuroscience*. Chicago, IL.
- **Saleki S.**, Cavanagh, P., Tse, P. U. (2019). Background textures do not interfere with the double-drift illusion. *Centre for Vision Research*. Toronto, ON.
- Kim, M., Oh, Y., Fu, L., Dorr, M., **Saleki, S**. (2019). Motion-induced Position Shifts are Lessened by Objects with High Positional-Certainty. *Wettherahn Student Poster*. Hanover, NH.
- **Saleki S.**, Maechler, M., Cavanagh, P., Tse, P. U. (2019) The Double-Drift illusion is affected by a reference object with high position certainty. *Vision Science Society*. St. Pete, FL.
- Mirtorabi, S. D., **Saleki, S.**, Rahmanian, M. S., Hadizadeh, H., Rostami, R., Yoonessi, A. (2018). Direct and indirect measures of attention indicate a bias toward cues in methamphetamine users. *Brain Engineering and Computational Neuroscience* conference. Tehran, IR.
- Motahari, K., Soltani, J., Rahmanian, S., **Saleki S.**, Yoonessi, A., (2018). Scale-Dependent High-Level Features for Saliency Prediction: An eye-tracking study. *Brain Engineering and Computational Neuroscience* conference. Tehran, IR.

## Work Experience

**Lab Manager /** Brain and Behavior Laboratory. Tehran University of Medical Sciences.
May 2017 - August 2018, Tehran, IR.

**Development /** Online psychological and cognitive assessment application
Funded by: National Railroad Company of Iran
March 2017 - May 2017, Tehran, IR.

- Front-end web-development of batteries of cognitive assessment tasks for the first online portal for psychiatric assessments in Iranian medical system.

**Internship /** Brain and Cognition Clinic
October 2016 - May 2017, Tehran, IR.

- Neuropsychological assessment of psychiatric and neurological patients.

## Talks

**Lecture /** Experimental Design, Methodology & Analysis Procedures Course
Dartmouth College
July 2021, Hanover, NH.

- Invited to lecture on statistical inference.

**Neural Correlates of Learning Strategies in Non-generalizable Multi-dimensional Environments** / Cognitive Brown Bag Talk Series
Dartmouth College
March 2021, Hanover, NH.

**Reference-frames and Anchoring Effects /** EPRSCoR Attention Consortium Conference
March 2021, Hanover, NH.

**Workshop /** Psychophysics Task Design with PsychoPy
Tehran University of Medical Sciences.
January 2018, Tehran, IR.

## Teaching Experience

**Teaching Assistant /** Principles of Human Brain Mapping with fMRI.
Prof. Luke Chang.
Dartmouth College
Fall 2020, Hanover, NH.

**Teaching Assistant /** Experimental Design, Methodology & Analysis Procedures.
Prof. Alireza Soltani.
Dartmouth College
Summer 2020, Hanover, NH.

**Teaching Assistant /** Cognition.
Prof. Jamshed Bharucha.
Dartmouth College
Spring 2020, Hanover, NH.

**Teaching Assistant /** Laboratory in Psychological Science.
Prof. Anniemarie Brown.
Dartmouth College
Spring 2019, Hanover, NH.

## Mentorship

### Graduate Mentees:

- Yong Hoon Chung. Second year graduate student in Stormer Laboratory at Dartmouth College.

### Undergraduate Mentees:

- Ryan Dudak. Women in Science Project intern, Dartmouth College.
- Maria Mora Bolanos. Research Assistant in TseLab, Dartmouth College.
- Michelle Kim. Women in Science Project intern, Dartmouth College.

## Honors & Awards

### Physics and Mathematics Specialization.

Top 5% of students completing physics and mathematics discipline degree, Energy High School, Tehran, Iran.

### National Mathematics Olympiad Stage I

Tehran, Iran.