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Aysun Duyar

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Education

| 2014 – Present | **İhsan Doğramacı Bilkent University,** *Ankara, Turkey* |
| | Psychology, *B.A. Cum-GPA: 3.92/4.0 (Ranking: 2/65)* |

| 4-8 June 2018 | **York University Center for Vision Research,** *Toronto,* **Canada** |
| | CVR – VISTA Vision Summer School *(Fully Funded)* |

| Fall 2017 | **KU Leuven,** *Leuven, Belgium* |
| | Faculty of Psychology and Educational Sciences (*Erasmus Student*) |

Senior Thesis

02/2018 – Present **Attentional Modulation of Audiovisual Interactions in Apparent Motion**
Advisor: Assist. Prof. Hulusi Kafalıgönül

The study investigates how attention may alter audiovisual interactions in scope of temporal ventriloquism phenomenon. After developing the tasks with my advisor, I applied for the Ethics Commitee Approval, wrote a grant proposal, and programmed the experiments using MATLAB and Psychtoolbox. I am currently at the data collection stage of this project.

Research Experience

02/2018 – Present **Cortical Dynamics and Perception Laboratory – National Magnetic Resonance Research Center (UMRAM) (İ. D. Bilkent University)**
Advisor: Assist. Prof. Hulusi Kafalıgönül

I am working on my senior thesis. I mentored a summer intern from Ankara University Department of Psychology, and also assisted with EEG data collection for several visual experiments in the lab.

10/2017 – 01/2018 **Gestalt ReVision Laboratory (KU Leuven)**
Advisors: Dr. Thiago Leiros Costa & Prof. Johan Wagemans

As a research intern, I was involved in conducting a literature review and collecting data for a project investigating neural correlates of emergent features and Gestalt grouping principles in the framework of predictive coding theory. I also participated in several public science events and exhibitions, including demonstrations of visual illusions and data collection.

07/2017 – 08/2017 **Timing And Decision Making Laboratory (Koç University)**
Advisors: Assoc. Prof. Fuat Balcı & Dr. Ayşe Altan Atalay

As a Koç University Summer Research Program (KUSRP) student, I took part in three different research projects. I conducted a literature review and collected data using tDCS in a perceptual decision-making experiment, and I was involved in the design and programming of two behavioral experiments investigating error monitoring, and disgust sensitivity.

01/2016 – 06/2017 **Visual Perception and Attention Laboratory – Aysel Sabuncu Brain Research Center (İ. D. Bilkent University)**
Advisors: Assist. Prof. Jennifer Corbett & Assist. Prof. Jaap Munneke

I attended weekly lab meetings, where I learned basic principles of psychophysical data collection and analysis, how to review and evaluate scientific articles, how to conduct ethical research, and how to brainstorm scientific ideas. I collected data for various psychophysical, eye-tracking and EEG experiments, which were mainly focused on attention, perceptual grouping and perceptual averaging. I was also involved in training of the new lab members, and presented a research paper at the Vision Journal Club.

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08/2016 – 09/2016   **Brain and Cognition Laboratory (Bahçeşehir University)**
Advisors: Can Soylu & Prof. Dr. Metehan Irak

I assisted with several fundamental aspects of scientific research, including grant applications and experimental design. I also had the opportunity to learn more about EEG methodology in cognitive science.

07/2016 – 08/2016   **Aziz Sancar Research Institut of Experimental Medicine, Department of Neuroscience (İstanbul University)**
Advisor: Assoc. Prof. Nurcan Orhan

I attended different seminars such as ethics, laboratory safety, device calibration, sterilization techniques, animal behavior studies, brain imaging techniques, and neuropsychological tests. I conducted DNA isolation from blood, and also used flowcytometer. I gave a seminar about reward mechanisms, and designed and presented a project about sleep deprivation with a group.

Teaching Assistantship

Spring 2018   **Introduction to Computing and Programming for Social Sciences (CS123) –**
–   Present   **Computer Science Department (Supervisor: Dr. Sibel Uğurlubilek)**

I am responsible for supervising the lab hours, and grading weekly assignments testing Excel and Matlab skills.

Spring 2017   **Cognitive Psychology (PSYC200) – Department of Psychology (Supervisor: Dr. Jennifer E. Corbett)**

I guided students in developing their research projects in terms of research design, data collection, statistical analysis, and interpreting and presenting their findings. I also answered questions and explained course material during weekly office hours.

Research Interests

Vision, Attention, Predictive Coding, Perceptual Learning, Binocular Vision, Stereopsis

Academic Achievements / Scholarships

2014 – Present	High Honor Student, Bilkent University
2014 – Present	Comprehensive Undergraduate Scholarship (full tuition waiver, monthly stipend and free accommodation), awarded by Bilkent University due to high ranking in National University Examination
2017 Fall	Erasmus Student Mobility Grant from European Commission

Research Methods

Behavioral/Psychophysical Methodology, Eye-Tracking, Brain Stimulation (tDCS), EEG, EMG

40 hours of training in **Laboratory Animal Science** (FELASA Cat B Certificate)

Currently taking **Introduction to fMRI** course in Bilkent University

Computer Skills

Fluent in:	**Matlab (Psychtoolbox, Signal Processing, Data Visualization and Analysis), R, Adobe Photoshop, MS Excel**
Elementary:	**Java (Object Oriented), SPSS, Minitab**

Language Skills

Native / Advanced:	**Turkish**, **English, German** *(C1 Certificate – DSD II)*
Elementary:	**Dutch, Latin**

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Workshops / Certificates

Fall 2017	*FELASA Cat B Certificate,* **KU Leuven - BELGIUM**
25 May 2016	*Basic EMG and Human Reflexes Course, 14th National Neuroscience Congress,* **Ankara University Medical School - TURKEY**
06/11/2014	*Effective Use of Mind in Learning,* **İ.D. Bilkent University - TURKEY**
12 May, 2014	*Deutsches Sprachdiplom der Kultusministerkonferenz – Zweite Stufe / C1,* **Consulate General of the Federal Republic of Germany**

Volunteer Actions

2016 – 2018	Target groups: 0-6 year old children who live in prison with their mothers, and imprisoned female children who have committed a crime.
2015 – 2016	Target group: Physically damaged village schools, and primary school students.
2014 - 2015	Target group: 9-to 11-year old children who are forced to work on the streets, and experience violence in daily life