

# Begum Erten-Uyumaz

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**Address:** LP 1.77, Laplace 32, 5612 AZ  
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**WORK EXPERIENCE**      *User System Interaction PDEng Trainee*      Oct 2013 - Oct 2015 (Expected)  
Eindhoven University of Technology,  
The Netherlands

- Design software interfaces, prepare digital prototypes, run usability tests

*Research Assistant*      Dec 2009 - Oct 2011  
National Magnetic Resonance Research Center (UMRAM), Bilkent University, Ankara,  
Turkey

- Designed and conducted psychophysics and fMRI experiments in order to investigate perceptual and sensory responses of human low level visual system toward illusory visual stimuli

**EDUCATION**      *Professional Doctorate in Engineering (PDEng)*, Oct 2013 - expected October 2015  
User System Interaction, Stan Ackermans Institute  
Eindhoven University of Technology, Eindhoven, the Netherlands

*Master of Science, Cognitive Sciences*      Sept 2010 - Sept 2013  
Informatics Institute, Middle East Technical University (METU), Ankara, Turkey  
GPA: 3,56/4,00

*Bachelor of Arts, Psychology*      Sept 2005 - May 2009  
Bilkent University, Ankara, Turkey  
GPA: 3.60/4.00 & Major GPA: 3,72/4,00

**SKILLS**      ***Statistical Analysis Software:*** IBM SPSS, Minitab, ASL's EyeNal Data, Brain Voyager QX MRI, Afni, ILLMO  
***Visualising Software:*** Balsamiq Mockups, Axure, Adobe Premiere, Illustrator and Photoshop  
***Operating Systems:*** Windows, Unix  
***Programming Languages:*** Java (2 years), Matlab (2 years), HTML, CSS (6 months), Latex (2 years)  
***Languages:*** Turkish (native), English (fluent), Spanish (intermediate), Dutch (intermediate)

**PROJECT EXPERIENCE**      **EIT Digital, Philips Research, TNO & TUE**      Jan 2015 - Oct 2015  
*Fitness to Perform*

- Working as a design team with six members. Developing user acceptance guidelines, contributing to visualization of UI layout, conducting user studies.

**Nedap, & TUE**      Sep 2014 - Jan 2015  
*Increasing Ethical Awareness on Privacy and Electronic Health Records*

- Worked as a design team with two members. Interviewed Dutch health-care workers. Developed concept, prepared prototype using Axure, conducted user tests.

**Philips Healthcare, & TUE** Jan 2014 - Feb 2014  
*Tooltips for touch UIs*

- Worked as a design team with four members. Analyzed the existing software, developed a prototype using Axure, conducted user tests.

**Philips Lightning, & TUE** Jan 2014 - Feb 2014  
*HueLips: A Messaging System Using Patterns of Light*

- Worked as a design team with three members. Developed the Concept HueLips, developed a prototype with Philips Hue Lights using Processing, conducted user tests.

**Verkeerscentrum (VCNL), Utrecht & TUE, Eindhoven** Nov 2013 - Dec 2013  
*VCNL Display Panel Redesign*

- Worked as a design team group with four members. Redesigned the VCNL system interface, developed a prototype using Axure, conducted usability text and user study

**Informatics Institute, METU** Oct 2012 - Oct 2013  
*Adapting "Wuggy" Pseudoword Generator Psycholinguistic Toolbox to Turkish*

- Modified the software to Turkish (using Python programming language), created Turkish syllabified word list, expected to replicate one or two classical psycholinguistic tasks in Turkish using the extended Wuggy software.

**Department of Psychology, Bilkent University** Sept 2008 - October 2010  
*Perceptual size and spatial frequency differences due to misleading size and distance information in 3D context*

- Prepared illusory visual stimuli using Radiance Ray-Tracing software, conducted psychophysics experiments using Java programming language, and analyzed results using SPSS statistic programming software..

## ACADEMIC PUBLICATIONS

**Erten, B.**, Bozsahin, C., Zeyrek, D. Turkish Resources for Visual Word Recognition. The 9th edition of the Language Resources and Evaluation Conference, 26-31 May, Reykjavik, Iceland.

**Erten, B.** Relationship between a two-year-old's word production frequency and general word production rates of Turkish language. 16th International Conference on Turkish Linguistics, September 18-21, 2012, Ankara, Turkey.

**Erten, B.**, Eken, A. Environment aesthetics and human prefrontal cortex activation during a temporal assessment task: An fNIRS study. 8th Forum of Neuroscience (FENS), July 14-18, 2012 Barcelona, Spain.

**Erten, B.** Environment furnishing style and its effect on human time perception. 5th International Conference on Cognitive Science, June 18-24, 2012, Kaliningrad, Russia.

**Erten, B.**, Mustafaoglu, N., Boyaci, H. and Doerschner, K. Visual perceptual asymmetries can be modified via visual field deprivation in adult humans. 34th European Conference of Visual Perception (ECVP), August 28 - September 1, 2011, Toulouse, France.

**Erten, B.**, Boyaci, H. Do vernier acuity thresholds depend on perceived or actual retinal eccentricity? 33rd European Conference of Visual Perception (ECVP), August 22-26, 2010, Lausanne, Switzerland.

## HONORS & AWARDS

Deans List, & Full Scholarship (Merit Based), Bilkent University 2006 - 2009