

# BAHADIR OZDEMIR

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CONTACT INFORMATION *LinkedIn Profile:* <https://www.linkedin.com/in/ozdemirbahadir>  
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WORK EXPERIENCE **Software Engineer**, Google LLC, Video Ads

- Brand Safety Team, Mountain View, CA, 05/2016 – *Present*

**Machine Learning Scientist Intern**, Amazon.com, Search & Discovery

- Query Understanding Team, Seattle, WA, 05/2015 – 08/2015

**Predoctoral Visiting Fellow**, National Institutes of Health

- National Cancer Institute, Bethesda, MD, 2011 – 2013

**Teaching & Research Assistantships**

- University of Maryland, College Park, 2010 – 2011, 2013 – 2016
- Bilkent University, Ankara, Turkey, 2008 – 2010

EDUCATION **University of Maryland, College Park, USA**  
Ph.D., Computer Science, 08/2010 – 05/2016

- *Thesis:* Learning Binary Code Representations for Effective and Efficient Image Retrieval
- *Advisor:* Prof. Larry S. Davis

M.S., Computer Science, 08/2010 – 05/2013  
**Bilkent University**, Ankara, Turkey  
M.S., Computer Engineering, 09/2008 – 07/2010

- *Thesis:* Structural Scene Analysis of Remotely Sensed Images Using Graph Mining
- *Advisor:* Prof. Selim Aksoy

**Middle East Technical University (METU)**, Ankara, Turkey  
B.S., Computer Engineering, 09/2003 – 06/2008  
B.S. (Double Major), Electrical and Electronics Engineering, 09/2005 – 08/2008

PUBLICATIONS

- [Bahadir Ozdemir](#), Mahyar Najibi, Larry S. Davis, “Incremental Hashing with Kernels”, *British Machine Vision Conference (BMVC)*, York, UK, September 19-22, 2016.
- [Bahadir Ozdemir](#), Larry S. Davis, “Scalable Gaussian Processes for Supervised Hashing”, *arXiv:1604.07335v1*, 2016.
- [Bahadir Ozdemir](#), Larry S. Davis, “A Probabilistic Framework for Multimodal Retrieval using Integrative Indian Buffet Process”, *Advances in Neural Information Processing Systems 27 (NIPS)*, Montreal, Canada, December 8-11, 2014.

- [Bahadır Ozdemir](#), Wael Abd-Almageed, Stephanie Roessler, Xin Wei Wang, “A Bayesian Nonparametric Approach to Integrative Genomics for Cancer Subgroup Discovery”, *NIPS Workshop on Machine Learning for Computational Biology*, Montreal, Quebec, Canada, December 13, 2014.
- [Bahadır Ozdemir](#), Wael Abd-Almageed, Stephanie Roessler, Xin Wei Wang, “iSub-graph: Integrative Genomics for Subgroup Discovery in Hepatocellular Carcinoma using Graph Mining and Mixture Models”, *PLoS ONE*, 8(11): e78624, November 04, 2013.
- [Bahadır Ozdemir](#), Selim Aksoy, Sandra Eckert, Martino Pesaresi, Daniele Ehrlich, “Performance Measures for Object Detection Evaluation”, *Pattern Recognition Letters*, 31(10):1128-1137, July 15, 2010.
- [Bahadır Ozdemir](#), Selim Aksoy, “Image Classification Using Subgraph Histogram Representation,” in *20th IAPR International Conference on Pattern Recognition*, Istanbul, Turkey, August 23-26, 2010.
- Selim Aksoy, [Bahadır Ozdemir](#), Sandra Eckert, Francois Kayitakire, Martino Pesaresi, et. al., “Performance Evaluation of Building Detection and Digital Surface Model Extraction Algorithms: Outcomes of the PRRS 2008 Algorithm Performance Contest,” in *5th IAPR Workshop on Pattern Recognition in Remote Sensing*, Tampa, Florida, December 7, 2008.
- [Bahadır Ozdemir](#), Ilyas Cicekli, “Turkish Keyphrase Extraction Using Multi-Criterion Ranking”, in *23rd International Symposium on Computer and Information Sciences (ISCIS 2009)*, Guzelyurt, Northern Cyprus, September, 2009.

#### AWARDS AND ACHIEVEMENTS

- Travel grants: Jacob K. Goldhaber travel grant, UMD ICSSA award, NIPS travel support award and John Gannon fellowship, 2014
- Predoctoral Fellowship, National Institutes of Health, 2011 – 2013
- Dean’s Graduate Fellowship, University of Maryland, College Park, 2010 – 2012
- Accepted to attend International Computer Vision Summer School (ICVSS), Sicily, Italy, 2009
- Graduate Scholarship, TUBITAK, 2008 – 2010
- Full Graduate Scholarship (Covers Tuition & Accommodation), Bilkent University, 2008 – 2010
- Best Senior Design Project Award, Middle East Technical University – Dept. of Electrical and Electronics Engineering, 2008
- Dean’s High Honor List, Middle East Technical University, 2004 – 2008
- Certificate of Outstanding Achievement Middle East Technical University – Dept. of Computer Engineering, 2005

#### TECHNICAL SKILLS

*Programming:* C, C++, Java, Python, SQL.

*Applications:* MATLAB, Adobe Illustrator, L<sup>A</sup>T<sub>E</sub>X