

## Sait Celebi

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<b>Current</b>	<b>Software Engineer, Google New York</b>	June 2017 - Present
<b>Education</b>	<b>M.S. in Computer Science, Purdue University</b>	May 2017
	<ul style="list-style-type: none"><li>• <b>Relevant coursework:</b> Algorithms, Database Systems, Data Mining, Statistical Machine Learning, Artificial Intelligence, Statistical Network Analysis</li><li>• <b>Advisor:</b> Prof. Jennifer Neville</li></ul>	
	<b>M.S. in Electrical and Computer Engineering, Istanbul Sehir University</b>	May 2014
	<ul style="list-style-type: none"><li>• <b>GPA:</b> 3.88</li><li>• <b>Advisor:</b> Prof. Tarik Arici</li></ul>	
	<b>B.S. in Computer Science, Sakarya University</b>	May 2011
	<ul style="list-style-type: none"><li>• <b>GPA:</b> 3.74, Valedictorian</li></ul>	
<b>Professional Experience</b>	<b>Software Engineer Intern, Video Ads Team, Google</b>	Summer 2016
	<ul style="list-style-type: none"><li>• Data Mining, visualization, table summarization, A/B testing, frequent itemset mining</li><li>• <b>Host:</b> Pradipta Mitra</li></ul>	
<b>Research Experience</b>	<b>Research Assistant, Network Learning and Discovery Lab</b>	Summer 2015
	<ul style="list-style-type: none"><li>• Purdue University</li><li>• <b>Advisor:</b> Prof. Jennifer Neville</li></ul>	
	<b>Visiting Student Researcher, Multimedia and Sensors Lab</b>	Summer 2013
	<ul style="list-style-type: none"><li>• Georgia Institute of Technology</li><li>• <b>Advisor:</b> Prof. Ghassan AlRegib</li></ul>	
	<b>Research Assistant, Data Science Lab</b>	2011-2012
	<ul style="list-style-type: none"><li>• Istanbul Sehir University</li><li>• <b>Advisor:</b> Prof. Tarik Arici</li></ul>	
	<b>Research Intern, MTRDL</b>	Summer 2010
	<ul style="list-style-type: none"><li>• TUBITAK (Turkish NSF) UEKAE</li></ul>	
<b>Selected Projects</b>	<b>Incorporating Spatial Features into Collective Inference</b>	Fall 2015-Present
	<ul style="list-style-type: none"><li>• <b>Keywords:</b> Network-only Bayes classifier, Gibbs sampling, Maximum entropy inference</li><li>• <b>Datasets:</b> Facebook graph, Yelp dataset</li><li>• <b>Code:</b> <a href="https://github.com/celebisait/reller">https://github.com/celebisait/reller</a></li><li>• <b>Advisor:</b> Prof. Jennifer Neville</li></ul>	
	<b>Analyzing Social Media Discussions based on Participation Characteristics</b>	Fall 2013
	<ul style="list-style-type: none"><li>• <b>Keywords:</b> Dynamic time warping, User type detection, Classification, Twitter4J</li><li>• <b>Datasets:</b> Twitter data collected with Streaming API: 353m tweets</li><li>• <b>Code:</b> <a href="https://github.com/celebisait/twitter-topic-strand">https://github.com/celebisait/twitter-topic-strand</a></li><li>• <b>Advisor:</b> Prof. Tarik Arici, Prof. Bugra Gedik</li></ul>	

**Gesture Recognition using Skeleton Data with Weighted DTW** Spring 2013

- **Keywords:** Gesture recognition, Weighted dynamic time warping, Kinect
- **Datasets:** Gesture database collected with Kinect, 28 people, 20 gestures
- **Advisor:** Prof. Tarik Arici

**Low-Complexity Supervised Learning for Gesture and Shape Recognition** Fall 2012

- **Keywords:** Decision Tree, Random Forest, Random Rectangles, OCR
- **Datasets:** MNIST handwritten digits, American sign language depth images
- **Advisor:** Prof. Tarik Arici

**Teaching Experience** CS 573 - Data Mining (Graduate level) 2016 - 2017  
Purdue University

CS 177 - Computing with Multimedia Objects (Python) 2014-2016  
Purdue University

CS 211 - Introduction to Programming (Python) 2011-2012  
Istanbul Sehir University

**Interests** Stackoverflow: <http://stackoverflow.com/users/547820/sait>  
Github: <https://github.com/celebisait>

**Languages** Python, Java, C++, C, Shell scripting

**Libraries** Scipy, Numpy, Matplotlib, NetworkX, iGraph

#### **Publications** **Journal Publications**

- Tarik Arici, **Sait Celebi**, Ali Selman Aydin, and Talha Tarik Temiz. "Robust Gesture Recognition: Feature Pre-processing and Weighted Dynamic Time Warping". *Multimedia Tools and Applications*, 1-18, 2014

#### **Conference Publications**

- Tarik Arici, **Sait Celebi**, Ali Selman Aydin, Talha Tarik Temiz. "Discriminant Boosted Dynamic Time Warping and Its Application to Gesture Recognition". *VISAPP (2) 2014*: 223-231
- **Sait Celebi**, Ali Selman Aydin, Talha Tarik Temiz, and Tarik Arici. "Gesture Recognition using Skeleton Data with Weighted Dynamic Time Warping". *VISAPP (1) 2013*: 620-625
- Tarik Arici and **Sait Celebi**. "Flow-Driven Regularization with Regularizer Verification in Optical Flow Computation". In: *International Conference on Image Processing*. IEEE, 2012

#### **Workshop Publications**

- **Sait Celebi**, A. Erkan Bilmez, Feruz Davletov, Tarik Arici, Bugra Gedik. "TopicStrand: Analyzing Social Media Discussions based on Participation Characteristics". *The First Workshop on Heterogeneous Information Access at WSDM*, 2015