

## 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>Online Classes</b>          | <b>Coursera</b>   |                         |
|                                | <ul style="list-style-type: none"><li>• Deep Learning Course Series by Andrew Ng</li><li>• Machine Learning Course by Andrew Ng</li></ul>   | August 2017<br>May 2015 |
| <b>Teaching Experience</b>     | <b>CS 573 - Data Mining (Graduate level)</b>  | 2016 - 2017             |
|                                | <ul style="list-style-type: none"><li>• Purdue University</li></ul>   |                         |
|                                | <b>CS 177 - Computing with Multimedia Objects (Python)</b>  | 2014-2016               |
|                                | <ul style="list-style-type: none"><li>• Purdue University</li></ul>   |                         |
|                                | <b>CS 211 - Introduction to Programming (Python)</b>  | 2011-2012               |
|                                | <ul style="list-style-type: none"><li>• Istanbul Sehir University</li></ul>   |                         |

- Selected Projects**
- Incorporating Spatial Features into Collective Inference** Fall 2015
    - **Keywords:** Network-only Bayes classifier, Gibbs sampling, Maximum entropy inference
    - **Datasets:** Facebook graph, Yelp dataset
    - **Code:** <https://github.com/celebisait/reller>
    - **Advisor:** Prof. Jennifer Neville
  - Analyzing Social Media Discussions based on Participation Characteristics** Fall 2013
    - **Keywords:** Dynamic time warping, User type detection, Classification, Twitter4J
    - **Datasets:** Twitter data collected with Streaming API: 353m tweets
    - **Code:** <https://github.com/celebisait/twitter-topic-strand>
    - **Advisor:** Prof. Tarik Arici, Prof. Bugra Gedik
  - 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

**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 Bilmmez, 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

**Programming** Python, Go, Java, C++, C, Shell scripting, Numpy, Tensorflow, Matplotlib, NetworkX, iGraph

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