
ARDA AKDEMIR

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City, Tokyo 135-0064

Languages

- Japanese - Advanced,
N1 141/180
- English - Advanced,
TOEFL 113/120

Skills

- Machine Learning
- Natural Language
Processing
- Deep Learning
- Python, Julia

Links

- [Linkedin](#)
- [GitHub](#)

Profile

Ph.D candidate in Computer Science interested in AI, ML, NLP and Bioinformatics. I have both working experience as a researcher and also academical background with several publications on these fields.

Received the MEXT and JASSO Scholarships during my education.

Experience

Data Engineer Intern, Apple; Tokyo, Japan — November 2019 - Current

Long-term internship at Apple Japan as a data engineer.

Research Assistant , University of Tokyo; Japan — December 2019 - Current

Research assistant at the Department of Computer Science.

NLP Researcher, Koc University; Istanbul, Turkey — June 2018 - Sept. 2019

Information Extraction Specialist working on NLP related research for a European Union Funded Research Project (EMW-KU). My work is presented in GIR'2018 as a long presentation.

Supervisor : Prof.Dr. Deniz Yuret

2019 Google Summer of Code, The Julia Programming Language

Implemented a genome assembly package for Julia programming language. Successfully passed all three evaluations.([github link](#)).

Mentor : Dr. Ben Ward

Education

University of Tokyo, Tokyo, Japan — Ph.D in Computer Science, 2019 - 2022

Research Theme : Research on Transfer Learning in Deep Neural Networks

Supervisor: Assoc. Prof. Tetsuo Shibuya.

MEXT Scholarship Student (1 of 10 successful candidates from Turkey)

Bogazici University, Istanbul, Turkey — M.Sc. in Computer Engineering, Sep. 2017-Dec. 2018

Application of Deep Learning Algorithms for Natural Language Processing

Thesis Title : Named Entity Recognition in Turkish using Deep Learning Models and Joint Learning

GPA: 3.84/4.00

Publications

- Akdemir, Arda, Tetsuo Shibuya, and Tunga Güngör. "Hierarchical Multi Task Learning with Subword Contextual Embeddings for Languages with Rich Morphology." *arXiv preprint arXiv: 2004.12247* (2020).
 - Zhang, Y. Z., Akdemir, A., Tremmel, G., Imoto, S., Miyano, S., Shibuya, T., & Yamaguchi, R. (2019). Nanopore base-calling from a perspective of instance segmentation. *bioRxiv*, 694919. [[link](#)] (in revision for BMC Genomics GIW)
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- Akdemir A., Güngör T. (2019) A Detailed Analysis and Improvement of Feature-Based Named Entity Recognition for Turkish. In: Salah A., Karpov A., Potapova R. (eds) Speech and Computer. SPECOM 2019. Lecture Notes in Computer Science, vol 11658. Springer, Cham [\[link\]](#)
 - Hürriyetoğlu, A., Yörük, E., Yüret, D., Yoltar, Ç., Gürel, B., Duruşan, F., ... & Akdemir, A. (2019, September). Overview of CLEF 2019 lab ProtestNews: extracting protests from news in a cross-context setting. In *International Conference of the Cross-Language Evaluation Forum for European Languages* (pp. 425-432). Springer, Cham.
 - Akdemir, Arda, and Tunga Güngör. "Joint Learning of Named Entity Recognition and Dependency Parsing using Separate Datasets.", CICLing, 2019 [\[link\]](#)
 - Akdemir, Arda, et al. "Towards generalizable place name recognition systems: analysis and enhancement of NER systems on English News from India." Proceedings of the 12th Workshop on Geographic Information Retrieval. ACM, 2018. [\[link\]](#)
 - Akdemir Arda, "Named Entity Recognition in Turkish using Deep Learning Models and Joint Learning." Master's Thesis, Bogazici University, 2018.

Conferences

- Winter FESTA Episode 5, Japan 2019 - Poster Presentation - Short Oral
- 21st SPECOM Conference, Turkey 2019 - Long Oral Presentation
- 27th ISMB/ECCB Conference, Switzerland 2019 - Poster Presentation
- 20th CICLing Conference, France 2019 - Poster Presentation
- 12th Workshop on Geographic Information Retrieval GIR'18 at ACM SIGSPATIAL 2018 - Long Oral Presentation
- Istanbul Mathematical Sciences Center, Probability Days Conference 2018 - Oral Presentation
- BYOYO Workshop, 2018 - Volunteer
- ProtestNews Lab in CLEF 2019 - Organizing Committee Member

Books

- Introduction to Markov Chains (in Turkish), Asst.Prof.Dr. Umit Islak, M.Sc. Arda Akdemir - to be published in 2019

Honors & Awards

- **Best Graduation Project Award** in Computer Engineering, Bogazici University 2017. Project Title : Adaptive Tuning of Chess Evaluation Function by Using Genetic Algorithms.
 - **First Prize** in Upper Level Japanese Speech Contest organized by Japanese Embassy in 2018
日本語弁論大会優勝者
 - **MEXT Scholarship Recipient**, University of Tokyo - 1 of 10 recipients from Turkey (2018 -)
 - **JASSO Scholarship Recipient**, Osaka University (2015-2016)
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