

EDUCATION

Bar-Ilan University

Ph.D. in Computer Science, Advisor: Prof. Joseph Keshet

– Research interests: deep learning, ordinal regression, ranking, keyword spotting, speech

Ramat Gan, Israel

2018–Current

Bar-Ilan University

M.Sc. in Computer Science

– Thesis: “Ranking Algorithms for Risk Minimization”

– Advisor: Prof. Joseph Keshet

Ramat Gan, Israel

2014–2017

Lev Academic Center

B.Sc. in Software Engineering

Jerusalem, Israel

2011–2014

PUBLICATIONS

- [1] T. S. Fuchs and Y. Hoshen, “Unsupervised Word Segmentation Using Temporal Gradient Pseudo-Labels”, in *preprint*, 2023.
- [2] T. S. Fuchs, Y. Hoshen, and Y. Keshet, “Unsupervised Word Segmentation using K Nearest Neighbors”, in *Proc. Interspeech 2022*, 2022, pp. 4646–4650.
- [3] T. S. Fuchs*, Y. Segal*, and J. Keshet, “CNN-based Spoken Term Detection and Localization without Dynamic Programming”, in *ICASSP*, 2021.
- [4] Y. Segal*, T. S. Fuchs*, and J. Keshet, “SpeechYOLO: Detection and localization of speech objects”, in *2019 Interspeech*, Sep. 2019, pp. 4210–4214.
- [5] E. Buz, A. Buchwald, T. Fuchs, and J. Keshet, “Assessing automatic VOT annotation using unimpaired and impaired speech”, in *2018 International journal of speech-language pathology Volume 20 number 6*, 2018, pp. 624–634.
- [6] T. Fuchs and J. Keshet, “Spoken term detection automatically adjusted for a given threshold”, in *2017 IEEE Journal of Selected Topics in Signal Processing, Volume 11 Issue: 8*, Dec. 2017, pp. 1310–1317.

SCHOLARSHIPS AND AWARDS

- President’s scholarship, Bar-Ilan University 2019–Current
- Malag scholarship for outstanding doctoral students in high-tech professions 2019
- The Malam Team award for excellence in research in postgraduate studies 2018

TEACHING

- **Teaching Assistant** at Bar-Ilan University Fall 2017
Introduction to Machine Learning (89511)

SERVICE

- Reviewer for: IJCAI, NeurIPS 2020