

# Yonatan Bitton

yonatanbitton1@gmail.com

www.linkedin.com/in/yonatan-bitton-5ba681149

+972507202900

## Summary

- PhD candidate in the Hebrew University of Jerusalem
- Natural language processing and computer vision researcher
- Hands on experience in industry research labs (over 4 years experience in Amazon and IBM)
- Three peer-reviewed publications (Findings of EMNLP 2021, NAACL 2021, JAMIA 2020)

## Education

**PhD**, 2020-Present

*Advisors: Prof. Gabriel Stanovsky and Prof. Roy Shwartz*

Generalization of Vision and Language models

School of Computer Science and Engineering, The Hebrew University of Jerusalem, Israel

**MSc**, *magna cum laude*, 2019-2020

*Advisors: Prof. Michael Elhadad and Prof. Eitan Bachmat*

Cross-lingual entity linking and visual question answering. GPA 97

Department of Computer Science, Ben Gurion University, Israel

**BSc**, 2015-2019

Department of Computer Science, Ben Gurion University, Israel

## Work Experience

**Applied Scientist Intern at Amazon Lab126**, 2019-Present

Researcher in Halo team - Visual Fitness

Working on video classification problems, using state of the art computer vision methods

**Research Student at IBM CCoE**, 2017-2019

Using data-science and machine-learning methods in order to detect frauds

## Publications

**Bitton, Y.**, Stanovsky, G., Elhadad, M., Shwartz, R.,

Data Efficient Masked Language Modeling For Vision and Language

Findings of the Association for Computational Linguistics: EMNLP 2021

**Bitton, Y.**, Stanovsky, G., Shwartz, R., Elhadad, M.,

Automatic Generation of Contrast Sets from Scene Graphs:

Probing the Compositional Consistency of GQA

North American Chapter of the Association of Computational Linguistics (NAACL 2021)

**Bitton, Y.**, Cohen, R., Schifter, T., Bachmat, E., Elhadad, M., Elhadad, N.

Cross-lingual Unified Medical Language System entity linking in online health communities

Journal of the American Medical Informatics Association (JAMIA 2020)

## Awards

**MSc awards**

Dean's Award for Excellence

Graduated with honors (magna cum laude)

Research Excellence Award of Ben Gurion BGU CS department for journal publication