

# Gal Patel

NLP Researcher

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## EDUCATION

2018 - 2021 M.Sc. in Computer Science, The Hebrew University of Jerusalem  
Supervisor: Prof. Omri Abend  
Thesis on the interpretability of deep learning models in NLP under paraphrased input, included: dataset compilation, representation analysis, manipulation of generated output.  
Final M.Sc. grade: **98.2**

2015 - 2018 B.Sc. in Computer Science and Cognitive Science, **magna cum laude**, The Hebrew University of Jerusalem  
Member of the **honors program** for distinguished undergraduates in Computer Science  
Course average: **95.7**

## PAPERS

Under Review & BlackboxNLP21 On Neurons Invariant to Sentence Structural Changes in Neural Machine Translation  
Gal Patel, Leshem Choshen, Omri Abend [[arXiv](#)]

In Preparation MuLER: Multi-Level Evaluation with Reference  
Tai-Lin Karidi, Leshem Choshen, Gal Patel, Omri Abend

## WORK EXPERIENCE

2020 Teaching Assistant, Introduction to Machine Learning, The Hebrew University of Jerusalem

2018 - 2020 Research Intern, Lightricks  
Implemented and trained a deep learning model (CNN) for hair segmentation  
Developed classic image processing algorithms for hair volume and color  
Mentored junior interns

2016 - 2017 Research Assistant, Prof. Oron Shagrir, The Hebrew University of Jerusalem

2013 - 2015 Tech Manager, BIG IDEA international tech summer camps

2011 - 2013 E-Learning Developer, The Intelligence Forces, IDF

## AWARDS AND DISTINCTIONS

2019, 2017 Dean's Award, The Hebrew University

2019 Excelling students fellowship, The Hebrew University

2018 Scholarship for Outstanding Students, Intel

2017, 2016 Cognitive Science Undergraduate Award, The Hebrew University

2016 Dean's List, The Hebrew University

2016 Admission Excellence Award, The Hebrew University

## EXTRACURRICULAR ACTIVITIES

2020 - 2021 Mentor, JerusML Juniors in Machine Learning Program

2019 Lecturer, JerusML Deep Learning Course

2018 - 2019 Instructor, MEET: Middle East Entrepreneurs of Tomorrow, Israeli and Palestinian Youth

2017 - 2018 Instructor, QueenB coding program for young girls

2018 Hub Organizer, Google HashCode

2017 Volunteer, EUJS: European Union of Jewish Students

2016 - 2017 Volunteer, SheCodes, coding for women