

Michael Hassid

052-704-9282
hassidm@gmail.com

CURRENT

Hebrew University of Jerusalem – PhD Candidate in Computer Science (third year)

Meta AI (FAIR) – Research Assistant

EDUCATION

2022 - Present: Hebrew University of Jerusalem – PhD in CS

- Research Advisors: Prof. Roy Schwartz and Dr. Yossi Adi
- Main research topics:
 - LLM reasoning and planning for math and code generation
 - Efficient mechanisms for LLMs
 - Speech language models (SpeechLMs)
- Publication presented in the second page

2020 - 2022: Hebrew University of Jerusalem – MSc. in CS (excellence program)

- Final GPA: 98.19
- Honors: cum laude
- Research Advisor: Prof. Roy Schwartz
- Main research topic: Attention Mechanisms for NLP

2016 - 2019: Hebrew University of Jerusalem – BSc. in CS (excellence program)

- Honors: summa cum laude
- Final GPA: 97.22

EXPERIENCE

2022 - Present: Meta AI, FAIR – Research Assistant (PhD program)

- Research topics:
 - LLM Reasoning in semantic space
 - Code generation with LLMs
 - Speech language models (SpeechLMs)

2023 - 2024: Hebrew University of Jerusalem – Lecturer

- Lecturer of the “Advanced Natural Language Processing (ANLP)” course

2020 - 2022: Google, Cerebra – Research Intern (Full & Part time internship)

- ML driven solutions for real life tasks (mainly research, some production work):
 - Main research: NLP, TTS
 - Research publication and approved patent

2019 - 2020: Google, Search Console – Software Engineer (Part time internship)

- SAN Insights Provider: Generating insights for Search Console users
 - Project is deployed in Search Console

2017 - 2019: Hebrew University of Jerusalem – Teacher Assistant

- Teacher Assistant; “Introduction To Computer Science” course

AWARDS

Meta AI- PhD excellence program (PhD)

KLA scholarship for excellence (PhD)

Graduated cum laude (MSc.)

Computer Science excellence program of HUJI (MSc.)

Ulman scholarship for excellence students (MSc.)

Graduated summa cum laude (BSc.)

Computer Science excellence program of HUJI (BSc.)

Dean's List:

2017 (Bsc.), 2018 (Bsc.), 2020 (MSc.)

Dean's Award:

2018 (Bsc.), 2020 (Msc.)

SKILLS

Research & Work experience with ML methods (specifically Deep Learning).

Deep understanding of LLMs (from high level to code)

Experience with Deep Learning frameworks:

PyTorch, TensorFlow and Jax.

MORE

Psychometric Grade: 726

Matriculation Examination (“Bagrut”)

GPA: 114.3

HOBBIES

Spoken Word poet (Poetry Slam) – search on YouTube – “מיכאל חסיד”.

References available upon request.

PUBLICATIONS ([Google Scholar](#))

M. Hassid, T. Remez, ..., R. Schwartz, Y. Adi
Textually Pretrained Speech Language Models

Advances in Neural Information Processing Systems 2023 (NeurIPS 2023). [Arxiv](#)

M. Hassid*, T. Remez*, J. Gehring, R. Schwartz, Y. Adi
The Larger the Better? Improved LLM Code-Generation via Budget Reallocation

Conference On Language Models 2024 (COLM 2024). [Arxiv](#)

M. Oren*, M. Hassid*, N. Yarden, Y. Adi, R. Schwartz
Transformers are Multi-State Rnns

Empirical Methods in NLP 2024 (EMNLP 2024). [Arxiv](#)

M. Hassid, G. Synnaeve, Y. Adi, R. Schwartz
Don't Overthink it. Preferring Shorter Thinking Chains for Improved LLM Reasoning
Under Review. [Arxiv](#)

M. Hassid, H. Peng, D. Rotem, J. Kasai, I. Montero, N. Smith, R. Schwartz
How Much Does Attention Actually Attend? Questioning the Importance of Attention in Pretrained Transformers

Findings of Empirical Methods in NLP 2022 (EMNLP 2022). [Arxiv](#)

M. Hassid, M. Tadmor, B. Shillingford, M. Wang, Y. Jia, T. Remez.
More than Words: In-the-Wild Visually-Driven Prosody for Text-to-Speech

Conference on Computer Vision and Pattern Recognition 2022 (CVPR 2022). [Arxiv](#)

D. Rotem, M. Hassid, J. Mamou, R. Schwartz
Finding the sweet spot: Analysis and improvement of adaptive inference in low resource settings

Association for Computational Linguistics 2023 (ACL 2023). [Arxiv](#)

G. Maimon, M. Hassid, A. Roth, Y. Adi
Scaling analysis of interleaved speech-text language models

Conference of Language Models 2025 (COLM 2025). [Arxiv](#)

T. Ghattas, M. Hassid, R. Schwartz
On Pruning State-Space LLMs

Empirical Methods in NLP 2025 (EMNLP 2025). [Arxiv](#)

S. Levy, N. Mazor, L. Shalmon, M. Hassid, G. Stanovsky
More Documents, Same Length: Isolating the Challenge of Multiple Documents in RAG

Findings of Empirical Methods in NLP 2025 (EMNLP 2025). [Arxiv](#)

TA. Nguyen, ..., M. Hassid, ..., E. Dupoux
Expresso: A benchmark and analysis of discrete expressive speech resynthesis
Interspeech 2023 (Interspeech 2023). [Arxiv](#)

M. Treviso, ..., M. Hassid, ..., R. Schwartz
Efficient methods for natural language processing: a survey

Transactions of the Association for Computational Linguistics (TACL). [Arxiv](#)

M. Hassid, S. Caduri, N. Bar, D. Cohen, B. Schlesinger, M. Tadmor
Method and system for text-to-speech synthesis of streaming text
WO Patent 2,022,093,192