

# Piotr Piękos

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## Education

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### KAUST, Saudi Arabia

Computer Science, PhD, 08.2022-Now  
Supervised by Prof. Jürgen Schmidhuber

### University of Warsaw

Mathematics: MSc. (grad. 2021) and BSc. (grad. 2018), Computer Science: BSc. (grad. 2017)

## Experience

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### IDSIA, Lugano, Switzerland

Research Internship 06.2023–08.2023  
Working on sample efficient Goal-Conditioned RL and improving the speed of the Transformer.

### Polish Academy of Sciences, AWARElab group

Researcher 01.2022–06.2022  
The collaboration led to the Fast and Precise paper.

### Allegro.pl

Research Engineer 10.2021– 01.2022  
Improving the quality of neural search models.

### ITMagination

Machine Learning Engineer 07.2017–06.2020  
Designing and implementing machine learning systems for external companies. The projects covered a lot of machine learning areas such as topic classification or object detection.

### Hcore

Python Developer Internship 07.2016–09.2016  
Writing backend software in Python.

## Selected publications

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### Measuring and Improving BERT's Mathematical Abilities by Predicting the Order of Reasoning

ACL-ICJNLP 2021, **Oral** [Arxiv link](#) [Project website](#)

Piotr Piękos, Henryk Michalewski, Mateusz Malinowski

### Fast and Precise: Adjusting Planning Horizon with Adaptive Subgoal Search

ICLR 2023, **Notable top 5%** (previously called oral) [Arxiv link](#) [Project website](#)

Michał Zawalski, Michał Tyrolski, Konrad Czechowski, Tomasz Odrzygóźdź, Damian Stachura, Piotr Piękos, Yuhuai Wu, Łukasz Kuciński, Piotr Miłoś

## Open-source

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**BERT for trax:** Added BERT model and masked language modelling pipeline preparation to trax. [Github](#)

## Technical skills

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Python, PyTorch, C++, SQL, Algorithms  
Linux, Bash, GIT, Unit tests

## Languages

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**English:** Advanced (111/120 TOEFL score)  
**Polish:** Native

## Interests

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Chess, Computer Games, Psychology