Ing. Jakub Rada

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Publications

Towards Improving Sequential Decision-Making in LLM Agents via Experience Memory — **06/2026**
Workshop on Neuro-Symbolic Intelligence for LLMs and Autonomous Agents — paper

The ALNS meta-heuristic for the transmission maintenance scheduling — **05/2024**
Journal of Heuristics / Springer Nature — paper

Experience

AI Engineer — **03/2026 - 05/2026**
DeepFlows AI Inc. | Freelance — AI Engineer

AI Engineer and Architect — **06/2025 - present**
SWEHQ s.r.o. | Contract — AI Engineer

Web and Mobile Software Development — **06/2022 - 06/2025**
SWEHQ s.r.o. | Contract — Software Engineer

Web Software Developer — **06/2021 - 11/2021**
SWEHQ s.r.o. | Contract — Software Engineer

Optimization Researcher — **07/2020 - 06/2021**
CIIRC, CTU in Prague | Part-time — Research

Front End Web Developer — **08/2019 - 12/2019**
Scalesoft | Part-time — Software Engineer

Education

Czech Technical University in Prague — **09/2025 - present**
Artificial Intelligence — PhD | GPA 4.00 US

Czech Technical University in Prague — **06/2022 - 06/2025**
Artificial Intelligence — Master | GPA 3.94 US

European Summer School in Artificial Intelligence — **07/2024 - 07/2024**
Artificial Intelligence — PhD

Korean Advanced Institute of Science and Technology — **02/2023 - 06/2023**
Artificial Intelligence — Master | GPA 3.62 US

Czech Technical University in Prague — **06/2019 - 06/2022**
Computer Science — Bachelor | GPA 3.89 US

Memberships and Societies

Upsilon Pi Epsilon — **02/2024 - present**
Honor Society

Active Projects

PlyLLM — **10/2026 - present**
One Python interface to many LLM providers and models used by PlyBench and affiliates — FEE CTU

clankers — **09/2026 - present**
Send notifications automatically and in a unified way in Python and NodeJS

PlyBench **09/2025 - present**
Benchmarking LLMs on perfect-information two-player zero-sum games FEE CTU

Software Contributions

Stochastic MiniMax **08/2026 - present**
DeepMind OpenSpiel PR submitted

Hackathons

OnkoApp **04/2025 - 04/2025**
Rakathon | AI against Cancer 2nd place

Shyguy's Wingman **01/2025 - 01/2025**
Mistral AI Game Jam | AI and Games 6th place

Certificates

TOEFL iBT **09/2024 - 09/2026**
English Proficiency 116 / 120

Cambridge First Certificate in English **06/2017 - present**
English Proficiency 176.8 / 190

Achievements

Exceptional Master's Thesis **10/2025 - 10/2025**
Dean's Award FEE CTU

Daegu International Half Marathon 2023 **04/2023 - 04/2023**
10th place Daegu International Marathon

Seoul Marathon 2023 Relay **03/2023 - 03/2023**
1st place Seoul Marathon

Exceptional Bachelor's Thesis **05/2022 - 05/2022**
Dean's Award FEE CTU

ROADEF Challenge 2020 **06/2021 - 06/2021**
2nd place EURO

Baltie 2011 International Round **06/2011 - 06/2011**
3rd place SGP Systems

Baltie 2011 National Round **05/2011**
2nd place SGP Systems

Skills

Programming Languages: Python, Typescript/Javascript, C/C++, Julia, Rust

AI/ML Tools: PyTorch, Jax, Gurobi, CPLEX, HuggingFace Transformers, OpenCV, vLLM

Application Frameworks: NodeJS, NestJS, Docker, VueJS, PostgreSQL, NextJS

Languages: Czech, English, Spanish

Interests: Learning, Reading, Travelling, Lifting Weights, Running, Hiking, Coding