AI Research Engineer (PhD)

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Company: Huawei Telekomünikasyon Dış Ticaret Ltd

Location: İstanbul

Category: other-general

As Huawei Turkey R&D Center, we are now looking for a Senior AI Research Engineer who has a PhD degree to join our team.

Key areas of responsibility will be:

Make a research on SOTA AI Domains (Computer Vision, NLP, Recommendation Systems, ASR, TTS)

Design and build scalable ML services,

Deploy ML services to production at scale considering resource constraints,

Monitoring models to evaluate and improve services online,

Play an active role in suggesting, collecting, and preprocessing the data necessary to train the ML models and evaluate performance,

Consult with the other teams to determine the requirements and formalize the possible ML research directions.

Requirements

Essential technical requirements:

A. Basic computer science and programming languages

Understanding of data structures, data modeling, and software architecture,

Having expertise in object-oriented programming,

Ability to write reusable and easily-maintainable code using beautiful and proper design patterns,

Ability to write robust and optimized code in Python.

Strong programming skills (Python, SQL etc.) and experience with deep learning frameworks (e.g. TensorFlow, PyTorch, Keras)

Familiar with development processes (CI/CD, DevOps, MLOps)

B. Machine Learning

Solid understanding of Neural Networks in theory such as convex optimization, hessian approximations, conjugate gradient, and Gauss-Newton steps,

Familiarity with modern machine learning frameworks.

Experience in multi-modal pre-training large models is preferred.

Familiar with technologies such as small sample learning, zero sample learning, and promt learning is preferred.

C. Proven Experience in One of The Following

Proven experience as a Machine Learning/AI Engineer or similar role building largescale recommender systems to solve real live-stream problems,

Practical experience in deploying and optimizing ML models in production,

Deep Learning-based recommender models,

NLP tasks (large-scale language models, open domain chat, knowledge question & answering),

Computer Vision tasks (such as Optical Character Recognition, Object Classification, Object detection, etc.),

Speech Processing (such as ASR, TTS, speaker-identification, anti-spoofing)

D. Working efficiency

Fully-easy working capability in version control systems such as Gitlab or Github,

Experience in Docker for building a simulation of the production environment,

Solid understanding of JSON file, schema.

E. Academic

PhD degree in computer science, data science, or a related field,

Being published in Articles and Proceedings in reputable journals related to recommenders systems such as ACL and SIGIR is an important plus.

Academic publications in reputable conferences related to NLP applications, such as ACL, NeurIIPS, ICLR, ICASSP, etc., is an important plus.

OR

Essential non-technical requirements:

Fluent in English, both written and spoken,

Ability to work in a multi-disciplinary and multi-cultural team.

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