Selim Yagci

M.Sc. Informatics | AI/ML Engineer | Software Developer

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MSc in Informatics graduate with a strong interest in machine learning, natural language processing, and generative artificial intelligence.

EDUCATION

Technical University of Munich, Munich, Germany   **2021 – 2024***
Master of Science – Informatics

Gained advanced knowledge in Machine Learning, Natural Language Processing, Deep Generative Models, Applied AI, Visual Data Analytics, as well as developing practical skills with a research-oriented mindset in seminars and projects.
- GPA: 2.2/1.0

Bilkent University, Ankara, Turkey   **2015 – 2020**
Bachelor of Science – Computer Engineering

Established a solid foundation in engineering, mathematics, programming and computer science as well as practical software development skills over summer internships.
- GPA: 3.1/4.0

WORK EXPERIENCE

Incuda GmbH, Munich, Germany   **June 2021 – Nov 2021**
Working Student Data Engineer

Data orchestration, transformation, integration, DWH, ETL, Pentaho, Apache Hop, SQL, Python, working with clients from e-commerce with a variety of business needs.

Commencis, Istanbul, Turkey   **June 2020 – Nov 2020**
Software Developer

Mobile application development, bug fixing, code optimizing, feature implementing, exploring and prototyping latest practices, CI/CD tools, code reviewing, Kotlin, Java, Jenkins, Jira. Experienced in working as a part of a diverse team from different areas of technology, understanding software life cycle and processes, documentation and solution-oriented engineering.

PROJECTS AND THESIS

Adapter-based Multi-domain Adaptation and Evaluating Factuality in Language Models (Master Thesis)
- Domain Adaptation, Parameter Efficient Fine Tuning, Knowledge Enhancement, Adapters, MoE, RAG, Evaluation Metrics

Explainable Classification and Transformation of Abusive Text (Master-Praktikum)
- Ethics of AI, LLMs, Explainability Methods, Instruction Fine Tuning, In-Context Learning, CoT-Prompting

Self-Supervised Learning and Graph Neural Networks (Master-Seminar)
- Conducting a comprehensive literature review, Contrastive Learning, Graph Augmentations, Domain Generalization

Multilingual Misogyny Detection for Social Media Platforms (Interdisciplinary Project)
- Multiclass Text Classification, Bias Mitigation, Inference Optimization, Language Adapters

Generative AI in Memory Politics
- Assessing capabilities of AI models creating distorted images of reality, Stable Diffusion, Image-to-image, Deep RL

Recommender Systems and Human-Centered Software Design (Bachelor Project)

SKILLS

- Python, PyTorch, Tensorflow, Transformers, LLMs, Generative AI, Linux, Docker, FastAPI, Colab, Git Version Control, HuggingFace, LangChain, OpenAI, C/C++, SQL, Model Deployment, Containerization, Model Compression, Langchain, LlamaIndex, Kubernetes, AWS
- Individual Researcher, Self-organization, Fast learner, Creative Problem Solving, Critical thinking, Communication
- English (C1), German (B1), Turkish (Native)

* The prolonged study period caused by COVID-19