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Dragutin Oreški

WORK EXPERIENCE

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| Lead AI Engineer @ QED Code | 12/2024 - |
| • Designed a LangGraph multi-agent system for generating project breakdowns from private customer documents. | |
| • Developed a private RAG platform for secure document chat and agentic workflows. | |
| • Optimized self-hosting of Llama models for high performance and cost efficiency. | |
| • Led company-wide education about AI-assisted programming | |
| Freelance AI Engineer (Top 3% on Upwork) | 03/2024 - 12/2024 |
| • Independent consultant + participation in pre-sales process for main clients | |
| • Chatbots: AI Therapist , Nikola Tesla , Chat with DB | |
| • Multi-agent systems: Storyteller (CrewAI)+ RAG (LangGraph) | |
| • AI-based product matching system | |
| Co-founder / Team Lead @ Upp Agency | 09/2023 - 03/2024 |
| • Leading a team of 5 in maintaining the existing data pipelines and dashboards | |
| • Designing and migrating to the new infrastructure - dbt, Snowflake, Prefect, Kubernetes | |
| Data Engineer @ CIAL D&B | 08/2017 - 09/2023 |
| • Designing distributed ELT pipelines - developing and monitoring automated data processing pipelines with accompanying analytics / Entity matching problems (NLP) | |
| • Working closely with business analysts to understand the business requirements and build data products tailored to specific needs (across the markets of Latin America) | |
| • Establishing a mentoring system and supervising new team members | |
| Engineer for Information Systems @ HT | 02/2017 - 08/2017 |

EDUCATION

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|-----------------------------------------------------------------------------------------|-------------------|
| Faculty of Electrical Engineering and Computing,
University of Zagreb | 10/2013 - 07/2016 |
| MSc in Information and Communication Technology | |
| Faculty of Engineering Science
Katholieke Universiteit Leuven, Belgium | 09/2014 - 08/2015 |
| • Erasmus exchange program at the Department of Biomedical Engineering | |
| • Courses: Machine learning, Genetic algorithms, SVM, Brain-Computer Interface, Java | |
| University of Zagreb,
Faculty of Electrical Engineering and Computing | 09/2010 - 09/2013 |
| BSc in Electrical Engineering and IT | |

ADDITIONAL EDUCATION

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| Psychotherapy studies | 2019 - 2021 |
| • Took 2 years of logotherapy studies to explore and understand some aspects of human motivations and behaviour in order to excel my coaching skills | |
| Coaching | 2018 |
| • Graduated from an intensive coaching course at WCO (World Coaching Organisation) | |
| Soft Skills Trainer | 2015 - 2024 |
| • Went through trainer education at EESTEC (international student organisation) | |
| • Delivered training sessions on tens of training events and organised some of the events, including Train-The-Trainer type of events and Leadership Summer School | |
| • Delivered over 500 hours of training sessions on various topics: Communication skills, Emotional intelligence, Motivation, Leadership, Presentation skills etc. | |

TECHNOLOGIES

Programming languages

- Python, SQL

AI & Multi-Agent Frameworks

- LangGraph, CrewAI, AG2, LangChain

LLM Observability

- Langfuse, AgentOps, DeepEval

Databases

- Qdrant, Elasticsearch, Postgres, Mongo

MLOps

- vLLM, Bedrock, SageMaker

Cloud Platforms

- AWS (S3, EC2), GCP (Cloud Run)

Data Engineering

- Prefect, Kafka, Redis

Dev Productivity

- Cursor, Claude Code, Codex

INTERNSHIPS

English Teacher 10/2016 - 12/2016
Malang, Indonesia

Autonomous robot researcher 09/2015 - 11/2015
Poza Rica, Mexico

SQL Intern 06/2014 - 08/2014
IN2 group, Zagreb | Belgrade

VOLUNTEERING

Croatian Coaching Organisation 2020 - 2022

- Board member

eSTUDENT Local student organisation 2011 - 2016

- Board member in the most active student organization in Croatia with over 400 members
- Involved in planning and executing various student competitions, internships and lectures
- Communicated with distinguished experts in many scientific and professional areas

EESTEC International student organisation 2011 - 2018

- Board and Supervisory board member
- Trainer