METE (MAHAMMAD) ISMAYILZADA

SUMMARY

MSc Data Science Student at EPFL with 5+ years of experience as a Software Engineer. Previously ML engineer at integrate.ai, co-founder at destin.ai, and Next AI entrepreneur. Actively interested in research into the neurosymbolic AI, reasoning, compositionality, linguistically motivated NLP and knowledge-driven, cognitive-model-based AI.

CONTACT

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- in mismayilzada
- ⊙ mismayil

SKILLS

TECHNOLOGIES	LANGUAGES
Python	English (advanced)
Javascript	Turkish (native)
Java	Azerbaijani (native)
C/C++	Russian (elementary)
HTML / CSS	French (B1)
SQL / NoSQL	
git / linux	
node.js / react.js	
MLOps / DevOps	
numpy / pandas	
Tensorflow / Pytorch	
sklearn / pyspark	
spacy / huggingface	
matplotlib / seaborn	

PROJECTS

Words and Personalities
Data analysis project exploring the relationship between language and personalities

mini-pytorch
From scratch implementation of pytorch autograd and core modules

Differentially Private Random Forest Algorithm
Contributed to IBM's differential privacy library *diffprivlib*

EDUCATION

ÉPFL　　　　　　　　　　　　　　　　Sep. 2021 – Present
Master Data Science 2023

University of Waterloo　　　　　　　Sep. 2012 – Jun. 2016
Bachelor Computer Science 2016
With Distinction

EXPERIENCE

ÉPFL　　　　　　　　　　　　　　　Lausanne, Switzerland
Student Assistant　　　　　　　　　　　Sep. 2022 – Present
Assisting in grading homeworks and helping students with their projects for graduate course Applied Data Analysis

Research Assistant　　　　　　　　　　Nov. 2022 – Present
Research on temporal causal reasoning in NLP at Artificial Intelligence Lab (LIA)

Sony Inc.　　　　　　　　　　　　　　Tokyo, Japan
Research Intern　　　　　　　　　　　Jul. 2022 – Sep. 2022
Research and development of an open-domain dialog system that can mimic any given character based on few utterances

integrate.ai　　　　　　　　　　　Toronto, Canada
Software/ML Engineer　　　　　　　　Jul. 2019 – Aug. 2021
- Designed and developed core ML infrastructure and tools to train, test and deploy models
- Collaborated with ML Scientists on research projects to incorporate state of the art ML techniques
- Designed and developed a Federated Learning framework similar to flower.dev
- Researched and integrated various Differential Privacy techniques into our ML models

Destin AI　　　　　　　　　　　　Toronto, Canada
Co-founder & CTO　　　　　　　　　Sep. 2017 – Jun. 2019
- End-to-end design and development of the core platform (destin.ai)
- Built an AI-powered chatbot solution (m.me/heydestin)
- Participated in Next AI, DMZ, Legal Innovation Zone and MaRS accelerator programs

Bluecat Networks　　　　　　　　Toronto, Canada
Software Engineer　　　　　　　　　Sep. 2017 – Jul. 2018
Enhanced Bluecat's DNS, DHCP and IP solution with various features

Cisco Systems　　　　　　　　　Ottawa, Canada
Software Engineer　　　　　　　　　Jun. 2016 – Jul. 2017
Developed a Python library for programmatic management of Cisco switches and routers

PUBLICATIONS

kogito: A Commonsense Knowledge Inference Toolkit
Preprint
[Paper] [Code]

AWARDS

Full State Scholarship (2012-2016)　　　Sep. 2012
Government of Azerbaijan
Full funding during study at University of Waterloo

Certificate of Distinction in the Euclid Mathematics Contest　　　Feb. 2012
University of Waterloo

Presidential Scholarship　　　　　　　Sep. 2010
Government of Azerbaijan
Awarded to top students entering university studies