Narek Maloyan

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EXPERIENCE

- **Zencoder**   **2024-present**
  AI Engineer (Full-time)

- **Viasat**   **2021-2023**
  Machine Learning Engineer (Full-time)

  - Developed and organized an advanced video highlights extraction method, achieving a 40% increase in user engagement
  - Designed and constructed a movie recommendation system, which enhanced suggestions and boosted user engagement by 25%
  - Improved a semantic search engine hit rate by 55% and increased RPS by 10 times by distilling and fine-tuning lightweight embedding model

- **ODS.AI**   **2020-2022**
  Python Developer (Contract)

  - Introduced a data science competition pipeline for evaluating solutions in a Docker environment that was used in over 20 competitions
  - Coordinated machine learning competitions in different domains such as NLP, CV, and Recommender Systems, with over 1000 participants in total

- **NSI**   **2020-2022**
  Machine Learning Researcher (Research Grant)

  - Authored a comprehensive MRI image analysis tool composed of multiple models for explaining images and providing doctors with a second opinion
  - Spearheaded the successful integration of a cutting-edge predictive analytics tool, leveraging patient data and clinical parameters to accurately forecast stroke risk, leading to a 50% decrease in preventable secondary strokes

- **TrendMD**   **2019-2021**
  Machine Learning Engineer (Full-time)

  - Developed a recommendation system pipeline for suggesting medical articles that increased clicks by 30%
  - Created a Speech-to-text model to aid doctors in taking notes during patient consultations, decreasing note-taking time by 40%
  - Optimized marketing strategies using uplift modeling techniques, resulting in a 35% increase in user interaction
  - Integrated multi-armed bandits algorithms for efficient exploration and exploitation of recommendation strategies, improving Recall@10 by 25%

EDUCATION

Lomonosov Moscow State University   **Moscow, Russia**
Master of Engineering with Honors; Major in Machine Learning   **2019-2021**

- Top 1% graduate, recipient of a gold medal, and awarded a scholarship
- Dissertation: Utilizing a Neural Network Language Model for an Abstract Syntax Tree (AST)-Based JavaScript Engine Fuzzer.

Bachelor of Engineering; Major in Computer Science   **2015-2019**

- Thesis: Analysis of Tainted Data through Static Analyzer for C++ code

ADDITIONAL INFORMATION

- **Technical Skills**: Python, SQL, Pytorch, Transformers, ONNX, Pandas, FastAPI, CI/CD, Git, Docker, AirFlow, AWS
- **Languages**: Fluent in Russian (native), English; Conversational Proficiency in Armenian
- **Achievements**: Kaggle Expert, highest rank 107 of 200k