Sardaana Eginova

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EDUCATION

UC Berkeley — **Graduation: May 2027**
B.A. Computer Science and B.A. Data Science (Applied Math emphasis) — **GPA: 4.00**

Coursework: Deep Neural Networks, Operating Systems, Internet Architecture, Data Structures, Machine Structures, Security, Discrete Math, Linear Algebra, Optimization, Probability Theory and Random Processes, Statistical Theory

Awards: Dean's List (x4), WorldSkills Russia Big Data & ML Finalist, All-Russian Math Olympiad Regional Winner (2x)

WORK EXPERIENCE

Amazon, Annapurna Labs, Software Engineer (Consultant) — Sep 2025-Present
- Migrate Unsloth library to PyTorch Neuron, write custom kernels for AWS Trn2 chips

DATA C100, Principles and Techniques of Data Science, Lead TA — Jan 2025-Present
- Support 1100+ students' questions during lectures on Slido, facilitate EdStem, homework parties and OH
- Teach discussions for 190 underrepresented students with extra help, catch-up sections and career workshops

inDrive, Data Analytics Intern — Jul 2025-Aug 2025

Global #2 ride-hailing platform, 200M+ downloads across 45+ countries
- Tracked driver behavior from 2M+ daily app logs (accept/cancel rates, reaction times, ride distance preferences) to train CatBoost model for chained Smart Notifications dispatch
- Deployed switchback experiments in 10 cities with A/B testing and CUPED, achieving a 110% uplift in driver money-per-hour in treatment group

Spotify, Machine Learning Engineer (Consultant) — Feb 2024-May 2024
- Developed a customer support chatbot for Spotify's Freemium users for faster automated responses
- Analyzed 10,000+ text chats via TF-IDF topic modeling to synthesize more data, optimizing Q&A coverage by 120%
- Finetuned RAG (Mistral-7B, Gemini, Claude 3) with FAISS vector database by prompting and hyperparameter tuning

Yandex, Machine Learning Researcher — Jul 2021-Sep 2022
- Built a Russian-to-Yakut translator using contextual similarity and clustering techniques to enhance word-specific accuracy, contributing to low-resource language preservation for Siberian indigenous communities.
- Parsed 100,000+ word examples from news and forums, creating a robust training corpus capturing modern language

RESEARCH

Berkeley Artificial Intelligence Research Lab (BAIR), Researcher — Feb 2025-May 2025
- Ran ablation study for LLMs interpretability on causal tracing for transformer models (GPT-2XL, Llama 3)

Sky Computing Lab, Researcher — Oct 2024-Jan 2025
- Created 100 Q&A BFCL benchmark for web-search and built end-to-end automated evaluation system for agentic LLMs testing web-search and function-calling using AST (exact match) and state-based metrics across 16+ categories

UC Berkeley College of Computing, Data Science, and Society, Researcher — Jan 2024-May 2024
- Built a 300K+ entries SPARQL knowledge graph from dental domain articles, reduced query response time by 60%

LEADERSHIP

Machine Learning @ Berkeley, Head of NMEP, Education Committee Officer — Feb 2024-Present
- Prepare slides, create worksheets and record mini-lectures for Udacity online course on Google's Gemini API
- Organize two-day bootcamp for 80+ under-served high school students in the Bay Area, covering machine learning foundations with NLP and computer vision projects, talks with industry speakers, and campus tour
- Lead semester-long New Member Education Program (NMEP) on deep learning fundamentals. Teach weekly lectures, design assignments and exams, manage homework parties and socials for 15-20 students

SKILLS

Languages: Python, C/C++, Java, SQL, HTML/CSS/JS, PHP, React, Node

Machine Learning/Data: PyTorch, Tensorflow, OpenCV, CUDA, XGBoost, Pandas, NumPy, LangChain, MongoDB

Tools/Systems: Git, Linux, tmux, AWS, Docker, YAML, Bash, Kubernetes, Jira, Redash, Selenium, RISC-V, GDB