

Sardaana Eginova

☎ 510-926-7515 | ✉ eginovasardaana@berkeley.edu | 🌐 [sardaana-eginova](https://sardaana-eginova.github.io/) | 🏠 daanaea.github.io/i | 🌱 [daanaea](https://daanaea.github.io/)

EDUCATION

University of California, Berkeley

B.A. Computer Science & B.A. Data Science

Graduation: May 2026

GPA: 4.00

Coursework: Deep Neural Networks, Artificial Intelligence, Numerical Optimization, Principles of Data Science, Data Structures, Computer Program Structures, Discrete Math and Probability, Linear Algebra and Differential Equations, Business Data Analysis

Teaching: Academic Intern for CS 70 (Discrete Math and Probability Theory), Tutor for DATA 100 (Principles of Data Science)

EXPERIENCE

Berkeley Artificial Intelligence Research Lab

Undergraduate Researcher, Advised by PhD Shishir Patil

Berkeley, CA

Oct 2024-Present

- Working on Berkeley Function-Calling Leaderboard benchmark for code-generation models

Spotify

Natural Language Processing Engineer (Consultant)

Berkeley, CA

Feb 2024-May 2024

- Developed a customer support chatbot for Spotify's Freemium users for faster automated responses
- Analyzed 10,000+ text chats to optimize Q&A coverage, which reduced hallucinations and enhanced accuracy by 120%
- Leveraged RAG models (Mistral-7B, Gemini, Claude 3) with optimized hyperparameters, embeddings, and prompting

UC Berkeley College of Computing, Data Science, and Society

Undergraduate Researcher, Advised by Professor Michael DeBellis

Berkeley, CA

Jan 2024-May 2024

- Designed a reliable knowledge graph database for a dental materials search portal for clinicians in India
- Implemented a document parser to gather materials science articles, building an ontology database of 300K+ entries

Yandex

Machine Learning Researcher

Saint Petersburg, Russia

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
- Collected 100,000+ word examples from news and forums, creating a robust training corpus capturing modern language

LEADERSHIP

Machine Learning @ Berkeley

Education Officer

Berkeley, CA

Feb 2024-Present

- Prepared slides, created worksheets and recorded mini-lectures for Udacity online course on Google's Gemini API
- Co-hosted a 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

Cal Hacks

Director

San Francisco, CA

Sep 2023-Present

- Organized and managed logistics of largest collegiate hackathon in the US
- Maintained live website using React, Node.js and a DNS server with AWS; resolved bugs, monitored apps portal
- Pioneered a peer review judging for Hack-4-Impact hackathon with 7 nonprofits, receiving 40% more positive feedback

PROJECTS

ESRGAN Implemented a super-resolution generative adversarial network to restore corrupted MNIST images (96% success) using U-net architecture, cubic interpolation, and residual-in-residual dense blocks

FORPET Created a platform for virtual pet adoption from foster care centers. Silicon Valley Camp Hackathon 2022 winner

SKILLS

Languages: C++, Python, SQL, Java, HTML/CSS, React, Ruby/Rails, JavaScript, PHP, CUDA

Libraries & Tools: PyTorch, XGBoost, OpenCV, Scikit-learn, Pandas, NumPy, Gensim, LangChain, HuggingFace, RegEX, MySQL, SQLite, MongoDB, Django, Streamlit, Angular.js, Node.js, Bootstrap; Figma, Excel, Tableau; Git, Docker

AWARDS & HONORS

4th Place Overall, 1st Place in Region at WorldSkills Russia Machine Learning & Big Data Championship 2022

Developed classifier for Runet Prize, predicting winner companies and award categories based on Habr community posts

All-Russian Olympiad prize winner in Math, Informatics, and Physics (top 5% in Far East region, 2020-2022)