Mihran Miroyan

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EDUCATION

University of California, Berkeley — Berkeley, CA

Ph.D., Computer Science *Aug 2024 – Present*
Sky Computing Lab | GPA: 4.00
Advised by Narges Norouzi and Joseph Gonzalez

M.S., Computer Science *Aug 2024 – Dec 2025*
Sky Computing Lab | GPA: 4.00

Graduate Coursework: AI Systems, Natural Language Processing, ML Evaluation, Statistical Learning Theory, Large Scale Vision and Language Models, Research in AI Education, Social Cognition, Memory Systems in Cognition

University of California, Berkeley — Berkeley, CA

B.A., Computer Science (Honors) and Statistics *Aug 2020 – May 2024*
High Distinction in General Scholarship | GPA: 3.97

Undergraduate Coursework: Language Agents in Interaction, Machine Learning, Deep Learning, Computer Vision and Computational Photography, Optimization Models, Linear Modeling, Principles and Techniques of Data Science, Stochastic Processes, Probability Theory, Statistics, Discrete Mathematics, Multivariate Calculus, Linear Algebra, Software Engineering, Database Systems, Data Structures, Computer Architecture

PUBLICATIONS

- Tsung-Han Wu*, **Mihran Miroyan***, David M. Chan, Trevor Darrell, Narges Norouzi, Joseph E. Gonzalez.
  [Are Large Reasoning Models Interruptible?](#) *Preprint*, 2025.

- **Mihran Miroyan***, Tsung-Han Wu*, Logan King, Tianle Li, Jiayi Pan, Xinyan Hu, Wei-Lin Chiang, Anastasios Nikolas Angelopoulos, Trevor Darrell, Narges Norouzi, Joseph E. Gonzalez.
  [Search Arena: Analyzing Search-Augmented LLMs](#). *International Conference on Learning Representations (ICLR)*, 2026.

- **Mihran Miroyan***, Rose Niousha*, Joseph E. Gonzalez, Gireeja Ranade, and Narges Norouzi.
  [ParaStudent: Generating and Evaluating Realistic Student Code by Teaching LLMs to Struggle](#). *Preprint*, 2025.

- **Mihran Miroyan***, Chancharik Mitra*, Rishi Jain, Gireeja Ranade, and Narges Norouzi.
  [Analyzing Pedagogical Quality and Efficiency of LLM Responses with TA Feedback to Live Student Questions](#). *ACM SIGCSE Technical Symposium on Computer Science Education*, 2025.

- Chancharik Mitra*, **Mihran Miroyan***, Rishi Jain*, Vedant Kumud, Gireeja Ranade, and Narges Norouzi.
  [RetLLM-E: Retrieval-Prompt Strategy for Question-Answering on Student Discussion Forums](#). *AAAI Conference on Artificial Intelligence, EAAI Symposium*, 2024.

RESEARCH AND WORK EXPERIENCE

University of California, Berkeley — Berkeley, CA
Graduate Student Researcher — *Jan 2025 – Present*

- Conducting research in personal agents and real-time AI systems that continuously and autonomously learn and act

University of California, Berkeley — Berkeley, CA
Undergraduate Student Instructor — *Jan 2023 – May 2024*

- Teaching Assistant for Principles and Techniques of Data Science (DATA 100), leading discussion sections and office hours
- Served as Head Teaching Assistant in Summer 2023 and Spring 2024; Lead Infrastructure TA in Fall 2023
- Recipient of Outstanding Graduate Student Instructor Award in EECS and Data Science (2024)

Instigate Semiconductor (Microchip) — Yerevan, Armenia
R&D Software Engineering Intern — *Jun 2022 – Aug 2022*

- Interned in FPGA Physical and Logical Design team, testing and implementing features for Place and Route Debugger GUI
- Developed hierarchical tree representation of netlists and navigation tools for the debugger

HONORS AND AWARDS

Outstanding Graduate Student Instructor Award in EECS and Data Science (2024)

High Distinction in General Scholarship (2024)

Computer Science Honors (2024)

CS Scholars Excellence in Computer Science Award (2024)

Educational Award of the President of the Republic of Armenia in Information Technologies (2019)

Best Student Award at Quantum College (2019)

TECHNICAL SKILLS

Programming Languages: Python, Java, C, C++, R

ML Frameworks and Tools: NumPy, Pandas, Scikit-learn, SciPy, NLTK, OpenCV, PyTorch, Transformers, TRL, PEFT, Unsloth, vLLM, HuggingFace, Wandb

Languages: English (proficient), Russian (conversational), Armenian (native)

ORGANIZATIONS AND CLUBS

Member: Computer Science Graduate Entrepreneurs (UC Berkeley), UC Berkeley Chapter of Upsilon Phi Epsilon, Phi Beta Kappa Society, Computer Science Scholars (UC Berkeley), Armenian Student Association (UC Berkeley), Armenian Red Cross Society