

Kazem Meidani, PhD

✉ mk.meydani@gmail.com 🏢 Santa Clara, US ☎ +1(412)897-3578
🌐 Ommeidani.github.io 🌐 Ommeidani 🐦 @KazemMeidani 💬 KazemMeidani

EXPERIENCE

Capital One AI Researcher I <i>AI Foundations, Supervisor: Bayan Bruss, Nam Nguyen</i> Research area: Large Language Models, Reasoning, Interpretability, Decision Making in Finance	<i>Dec 2024 - Present</i> <i>San Jose, CA</i>
Carnegie Mellon University PhD Research Assistant <i>MAIL lab, Supervisor: Amir Barati Farimani</i> Research areas: AI for Math, Code, and Scientific Discovery Reasoning Models, LLM Agents, Test-time Planning	<i>Aug 2019 - Sept 2024</i> <i>Pittsburgh, PA</i>
<ul style="list-style-type: none">• Reward Modeling in Symbolic Math and Code Reasoning with Large Language Models• Scientific Reasoning and Combinatorial Optimization with Large Language Models• Iterative Test-time Hypothesis Refinement for Math Discovery with LLM Agents• Multi-modal Foundation Model Pretraining for Mathematical Representation Learning• Transformers for Neural Operator Learning and Numerical Simulation of Dynamical Systems	
Netflix Machine Learning Research, Intern <i>Foundation Models for Recommendation and Personalization, Supervisors: Qiuling Xu, Sudarshan Lamkhede</i> Research area: Efficient tokenization in Foundation Models for Personalized Recommendation	<i>May 2024 - Aug 2024</i> <i>Los Gatos, CA</i>
Electronic Arts AI Scientist Intern <i>EA AI Lab, Supervisors: Igor Borovikov, Harold Chaput</i> Research area: AI for physical agentic modeling in games	<i>May 2022 - Aug 2022</i> <i>Redwood City, CA</i>

EDUCATION

Carnegie Mellon University Ph.D. in Engineering and Artificial Intelligence. GPA: 3.96/4.0	<i>Pittsburgh, PA</i> <i>2019 - 2024</i>
Sharif University of Technology Double Major B.Sc. Mechanical and Industrial Engineering (Rank 1 st among 200 students, GPA: 19.20/20)	<i>Tehran, Iran</i> <i>2014 - 2019</i>

TECHNICAL SKILLS

Programming	Python, C/C++
Deep Learning	PyTorch, TENSORFLOW, JAX, Hugging Face, vLLM, DeepSpeed

SELECTED PUBLICATIONS

(For the complete publication list please refer to the Google Scholar, * denotes equal contribution)

- *Decompose, Adapt, and Evolve: Towards Efficient Scientific Equation Discovery with Large Language Models* **NeurIPS 2025**
P. Behzadifar, P. Shojaee, S. Kabra, **K. Meidani**, C.K. Reddy.
MATH-AI workshop [\[Paper\]](#)
- *LLM-SRBench: A Benchmark for Scientific Equation Discovery with Large Language Models* **ICML 2025 (Oral)**
P. Shojaee, N. Nguyen, **K. Meidani**, AB. Farimani, K. Doan, C.K. Reddy. [\[Paper\]](#) [\[Code\]](#)
- *LLM-SR: Scientific Equation Discovery via Programming with Large Language Models* **ICLR 2025 (Oral)**
K. Meidani, P. Shojaee, S. Gupta, AB. Farimani, C.K. Reddy. [\[Paper\]](#) [\[Code\]](#)
- *SNIP: Bridging Mathematical Symbolic and Numeric Realms with Unified Pre-training* **ICLR 2024 (Spotlight)**
K. Meidani, P. Shojaee, C.K. Reddy, AB. Farimani. [\[Paper\]](#) [\[Code\]](#)
- *Transformer-based Planning for Symbolic Regression* **NeurIPS 2023**
K. Meidani, P. Shojaee, AB. Farimani, C.K. Reddy. [\[Paper\]](#) [\[Code\]](#)
- *Transformer for Partial Differential Equations' Operator Learning* **TMLR**
Z. Li, **K. Meidani**, AB. Farimani. (2023) [\[Paper\]](#) [\[Code\]](#)
- *Graph convolutional networks applied to unstructured flow field data* **MLST**
F. Ogoke, **K. Meidani**, A. Hashemi, AB. Farimani. (2021) [\[Paper\]](#) [\[Code\]](#)

TEACHING AND PROFESSIONAL SERVICES

- **Conference Reviews:** NeurIPS 2024-2025 (top reviewer), ICLR 2025-2026, ICML 2025, AAAI 2026, NeurIPS AI4Science and MATH-AI workshops 2025
- **Journal Reviews:** Nature Communications, Expert Systems with Applications, etc.
- **Teaching Assistant at CMU** for graduate course ‘AI and ML for Engineers’.

SELECTED GRADUATE COURSES

- Machine Learning. MLD 10-701
- Deep Reinforcement Learning. MLD 10-703
- Convex Optimization. MLD 10-725
- Probability and Statistics. STAT 36-700

HONORS AND AWARDS

- **Top Reviewer** at NeurIPS 2025
- **Oral presentation (top 1%)** at ICML 2025
- **Oral presentation (top 1.8%)** at ICLR 2025
- **Spotlight presentation (top 5%)** at ICLR 2024
- **Ranked 1st** in SRBench Competition, 2023
- **Ranked 1st** among 100 students. Class of 2019. Industrial Engineering, Sharif University of Technology
- **Ranked 2nd** among 120 students. Class of 2019. Mechanical Engineering, Sharif University of Technology
- **Ranked 7th** in National University Entrance Exam (2014) · Among 200,000 Students