

Arda Tasci

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Education

- Columbia University** *Jan 2026 – Withdrew*
BS in Mathematics, Philosophy
- New York University** *Jan 2025 – Dec 2026*
BS in Mathematics, Management Systems
- New Jersey Institute of Technology** *Sept 2024 – Dec 2024*
BS in Financial Technology
- Dean's Scholar, full-ride scholarship

Experience

- Chief Executive Officer & Cofounder** *San Francisco, CA*
TaskiAI *September 2025 – Present*
- Collaborating with Stanford University on Knowledge Graph research to imbue LLMs with clear-box world ontologies.
- Data Analyst Intern** *Sparta, NJ*
Colinear Machines *Sept 2024 – Dec 2024*
- Worked personally with CFO Charles Moroni and CEO Mark Heston.
 - Automated the collection and auditing of 1476 tax reports using Pandas and Selenium.
- Early Insights Program** *New York, NY*
Morgan Stanley *Oct 2024*
- Two-week introductory course on how the finance world operates.
- Research Intern** *Newark, NJ*
New Jersey Institute of Technology *June 2024 – July 2024*
- Worked with Dr. Bader's lab on evaluating the behavior and performance of triangle-counting and sorting algorithms in parallel computing via MPI.
 - Wrote and debugged sorting and graph traversal algorithms in C.
- High School Research Assistant** *Cambridge, MA*
Harvard University *June 2023 – July 2023*
- In a joint research initiative with NJIT, Assisted Dr. Pfister and his team in a PhD candidate's neural research project. ([Vimeo](#) [🔗](#))
 - Mapped neuron activity as graph data structures.
 - Aided in the tracing and detection of neuronal connectivity motifs.

Projects

- RAG-Based Synthetic Market Data Generation** *New York, NY*
Columbia University & Bloomberg *September 2025*
- Employed RAG, Latent Dirichlet Allocation and a downstream Hidden Markov Model to generate market data from a natural language prompt.
- RNA Structure Prediction Challenge** *Palo Alto, CA*
Stanford University *May 2025*
- Created a transformer-diffusion ensemble model based on methods used in AlphaFold3, Protenix, and RibonanzaNet.
 - Earned a bronze medal by implementing a novel SE(3) denoiser network to achieve a TM score of 0.386.
- Cauchy, The Chess Coach** *Palo Alto, CA*
GenAI Intensive, Google *April 2025*
- Created an Agentic Chess LLM via LangGraph by implementing a novel attention mechanism for board positions.
 - Utilized FAISS, RAG to retrieve semantically relevant chess puzzles and create personalized insights on user's games.

Awards & Certifications

- United States Computing Olympiad (USACO) Gold Medalist
- Bloomberg Market Concepts & Finance Fundamentals Certification
- International STEM Olympiad - Programming Winner

Skills

- Python (Numpy, Pandas, Scikit-Learn, Pytorch, Keras, Tensorflow, LangChain Suite), C++, C, Bash (Linux), Excel (Office365), React.js, AWS SDK, Next.js, Docker, Postgres, Prisma, Javascript, C#, Next.js.