

# Iñaki Arango

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## EDUCATION

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### Harvard University

M.S. in Computer Science; B.A. in Computer Science with a Secondary in Statistics | GPA: 4.00/4.00

Cambridge, MA

08/2022 – 12/2025

**Relevant Coursework:** Probability (STAT 110, Teaching Fellow), Algorithmic Game Theory (CS 136, Research Assistant), Statistics (STAT 111), Advanced Algorithms (CS 124), Interpretable ML (CS 282), Systems Programming (CS 61), ML Networks (CS 243)

**Hackathons:** TreeHacks (Winner 2023, 2025), Bio x ML (Scale Medicine Winner 2024), Future House Invitational (2<sup>nd</sup> Place 2024)

**Extracurriculars:** Research (Zitnik Lab, Amin Lab), President of Harvard SHPE, Datamatch Algo Lead, Neo Scholar Finalist

**Scholarships:** John Harvard Scholarship 2023, John Harvard Scholarship 2025 (Awarded to top 5% of the class)

## SKILLS

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**Technical:** Full Stack Development (JS/TS, React, Vue, Next, Elysia, Nest, GraphQL, Turborepo), Research Infrastructure (Python, Rust, OCaml), AI Infrastructure (AI SDK, XMCP, Benchmarks), C++, Java, App Development (React Native), Chrome Extension Development

**Languages:** Spanish (Native), English (Native)

## EXPERIENCE

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### Jane Street

Software Engineering Intern

New York City, NY

05/2025 – 08/2025

- Developed a new method for identifying pending refactors across the codebase and processed [REDACTED] files and [REDACTED] lines of code.
- Designed new distributed infrastructure for benchmarking trading strategies, placing top 10% in trading competition.

### Harvard Medical School, Zitnik Lab

Undergraduate Researcher

Boston, MA

11/2024 – Present

- Led a team of 4 developing automated knowledge graph construction methods, producing a graph with 21M edges and 88M properties.
- Collaborated with the Gates Foundation on methods for leveraging knowledge graphs in clinical settings, soon to undergo clinical trial.

### Recyco

Co-Founder, Technical & Strategy

Remote / Buenos Aires, Argentina

01/2020 – Present

- Led and closed negotiations with clients for contracts worth \$650K+, including Procter & Gamble, L'Oréal and Unilever.

- Designed architecture and implemented the 4 software components required for the MVP: 2 apps (React Native with shared company packages in monorepo), a management dashboard (Redwood, React, GraphQL), and server (Node, TypeScript, GraphQL, Prisma).
- Hired and managed 8 technical employees, including project managers, DevOps, and software engineers.
- Bootstrapped the company into covering recycling planning services for over 5M people, or 11% of the Argentinian population.

### Harvard Undergraduate Quantitative Traders

Director of Technology & Harvard Undergraduate Trading Competition Co-Organizer

Cambridge, MA

11/2023 – 11/2024

- Designed architecture and implemented the competition trading system including a trading terminal (NextJS), exchange (WebSocket, NestJS), and account management tools (TypeScript, Firebase), totaling over 17K lines of code and supporting 130+ concurrent traders.

### Google

Software Engineering Intern – Google Docs Offline Team

New York City, NY

05/2024 – 08/2024

- Implemented an on-device offline spell-checking ML model for Google Docs and Slides supporting 5 locales (Java, Closure, WASM).
- Optimized dependency injection strategy for JavaScript web files, decreasing size of critical binaries by 3% and 4% (Closure).

### Amazon

Software Development Engineering Intern – Alexa Proactive ML Engineering Team

Seattle, WA

05/2023 – 08/2023

- Architected and implemented new service that automates the training and deployment of new machine learning models, reducing time to onboard secure data sources by 75%, time to deploy new models by 66%, and overall compute cost (TypeScript, CLI, AWS, SageMaker).
- Presented technical and business impact of the service to 65+ engineers and managers within the Alexa Proactive organization.

## PUBLICATIONS

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- Arango, et al. *DesignAgent: Beating Computer Use at Design Through Zero-Shot Program Introspection*. In preparation.
- Noori, et al. *Graph AI Generates Neurological Hypotheses Validated in Molecular, Organoid, and Clinical Systems*. Preprint (2025).
- Dang\*, Chen\*, et al. *KnowGuard: Knowledge-Driven Abstention for Multi-Round Clinical Reasoning*. Under Review ICLR (2026).
- Arango\*, Vittor\*, et al. *Enabling Multi-Agent Collaboration in Knowledge Graph Environments*. NeurIPS SEA (2025).
- Vittor\*, Arango\*, et al. *A Scalable Platform to Build the Data Layer of Knowledge Graph AI*. NeurIPS NPGML (2025).
- Arango\*, Noori\*, et al. *Prefix and Output Length-Aware Scheduling for Efficient Online LLM Inference*. ICLR SLLM (2025).
- Noori\*, Arango\*, et al. *Multi-Objective Generative AI for Designing Novel Brain-Targeting Small Molecules*. ICLR GEM (2024).