

# Arman Kassam

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## EDUCATION

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**Tufts University** - Medford, Massachusetts, United States

September 2023 – May 2027

Computer Science and International Relations Double Major

- 3.95 GPA, Dean's List 5x, Tufts Debate Society Treasurer + Mentor, JumboCast commentator
- **Relevant Coursework:** Data Structures, Algorithms, Machine Structure & Assembly, Data Science

## SKILLS

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**Programming Languages:** C++, TypeScript, Python, C, JavaScript, SQL, Swift, HTML, CSS

**Libraries and Frameworks:** React.js, Next.js, Node.js, Tailwind, GraphQL, PostgreSQL, SQLite, NoSQL, REST APIs, FastAPI, Swift UI, LangGraph

**Software & Tools:** GitHub, GCP, Supabase, Vercel, Figma, Canva, WebFlow, WordPress, Monday.com, Microsoft Excel

**Languages:** English (native), Spanish (DELE B1, advanced), French (DELF B1, intermediate)

## EXPERIENCE

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**AirPLAi Sports** - Seattle, Washington, United States (Remote)

September 2025 – Present

*Software Engineer*

- Tech lead for a **full-stack React custom dashboard** with multi tenant architecture which generates **\$75,000** in annual per client revenue
- Architected **agentic** data retrieval system for flagship AI product using **LangGraph** with data, web, and video tools serving **1K daily queries**
- Rebuilt Text-to-SQL tool using **few-shot learning, increasing response accuracy 200%** and **speed 300%** on all types of data queries
- **Hired and led 3 software engineering interns** delivering features across Next.js sites, TypeScript APIs, ETL pipelines, and AI workflows

**Data Driven Decision Making @ Tufts (D3M@Tufts)** - Medford, Massachusetts, United States

January 2025 – Present

*Undergraduate Research Assistant*

- Developing **Engineering Diplomacy**, a problem-solving framework which **integrates numbers and narratives** to tackle complex problems
- Managing Harvard student researchers as part of the **Radcliffe Fellowship** to complete the Engineering Diplomacy book

**Ludus Language** - New York, New York, United States (Remote)

September 2025 – November 2025

*Founding Engineer*

- Led **technical development and infrastructure** in **React** for a new language-learning platform focused on simplicity and targeted learning
- Created and integrated wikiglot in **TypeScript**, decreasing **hosting costs 50%**, increasing **search accuracy 30%**, and adding **11 languages**

**Cerebro Sports** (a Mark Cuban company) - Forney, Texas, United States (Remote)

February 2025 – September 2025

*Software Engineer Intern*

- Designed and led automation of data upload and validation via a **TypeScript and Python ETL pipeline**, reducing time per upload **97%**
- Spearheaded redesign of database schema, **increasing query performance by 50%** through relationship restructuring and indexing
- Managed **database backfill process** from the old **SQL** database to the new **GraphQL** one, ensuring **100% data integrity**

## PROJECTS

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**Wikiglot** — free & open-source translation API published as NPM package (TypeScript)

- Engineered & open-sourced multilingual translation API achieving peak of **350 weekly downloads** using Wikimedia HTML dumps

**Text-to-Braille** — **hackathon-winning** accessibility device (C++, Arduino, Servo motors)

- Won **JumboHack 2025** for accessibility innovation via hardware-software system that converts digital text into physical braille

**JumboCast Stats** — CLI statbot developed in collaboration with JumboCast (Python, Beautiful Soup, Pandas)

- Developed web scraper for commentary prep that turns natural language queries into live statistic results for all NESCAC schools

**Safar iOS App** — social travel app (Swift, SwiftUI, Supabase, PostgreSQL, SQLite)

- Building a city-ranking social app where users compare cities using binary search and share ratings, photos, and notes with friends
- Integrating Apple's **Foundation Models** framework to generate personalized AI-powered travel recommendations

## LEADERSHIP EXPERIENCE

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**Tufts Hemispheres Journal and Magazine**

September 2024 – Present

*Managing Editor + Writer*

- Lead **15 writers** on international security and tech topics; interviewed former **UN Senior Advisor** Nahla Valji for Spring 2026 journal

**Tufts Student Life**

January 2025 – September 2025

*Global Orientation (international student orientation) Coordinator*

- Planned **\$65K orientation program** for **200** international students; recruited and trained **32-person** peer-leader team