Ali Hindy

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EDUCATION

Stanford University, Stanford, CA **2021-2025**

- **School of Engineering**, B.S Mathematics, M.S. Computer Science, *Cumulative* GPA: 4.01/4.0
- 2024 STVP Mayfield Fellow (1 out of 12 selected for a technology venture leadership program), Business Association of Stanford Entrepreneurial Students (Director), Stanford Men's Squash (Captain), Sigma Nu (President)
- **Honors:** 2x Exceptional Achievement Award (BCSC), Student Advisory Board (THINK program), BASES Fusion Fund x GCC Pitch Competition Winner
- **Relevant Coursework**: Reinforcement Learning, Machine Learning, Web Applications, Deep Learning for Computer Vision, Natural Language Processing, Portfolio Theory, Operating Systems, Cryptography

WORK EXPERIENCE

Contextual AI (Series A Enterprise LLM Startup) **Jun 2024 - Present**

Applied Research Intern

Microsoft (Cloud & AI Research) **Jun - Sep 2023**

Product Management Intern *New York, NY*

- Developed cloud-based DevOps application using C# for Work Item tracking and Bug Tracing with over 4 million monthly active users using Azure CosmosDB
- Managed 3 SWE interns to implement live production data querying tool using Javascript with data ingestion capabilities

Ellington Management Group (~13.5bn AUM Hedge Fund) **Jun - Dec 2022**

Quantitative Research Analyst Intern *New York, NY*

- Developed CLO risk sensitivity models based on CDX HY using custom logistic equations and corresponding web app used to hedge $50m+ in CLOs and CDOs (with Javascript, C++, C, SQL)

Yakera (Series A Crowdfunding Startup) **Summer 2021 - 2022**

Product Lead *Remote*

- Led a team of 18 software engineers to develop crowdfunding website using React.js, featured in El Diario and El Nacional (largest newspaper and online newspaper in Venezuela), largest nonprofit crowdfunding platform in Venezuela, Colombia
- Implemented Agile methods to lead dev team from 0 to 500k TFR, implementing Stripe, Meta, Plaid, Paypal APIs

Point Pickup Technologies (Series B Transportation Tech Startup) **Summer 2021**

Data Science & SWE Intern *Stamford, CT*

- Implemented computer vision models using optical character recognition to validate driver's license photos (to prevent user fraud) deployed on an app with over 250,000 users
- Wrote sentiment analysis software for analyzing 2,000+ app store reviews to improve ratings

RESEARCH / PROJECT EXPERIENCE

Sandbox AI (Generative AI) **Aug 2023 -**

- Created multi-purpose personalized AI application powered by retrieval augmented generation, allowing users to create custom chatbots. Currently used by professors at Stanford for education in large-scale nationwide classes like Bioe80

Stanford Autonomous Systems Lab (advised by Dr. Rachel Luo) **Nov 2021 - Present**

Student Researcher *Stanford, CA*

- Researched novel conformal prediction and deep learning methods on out of distribution data points for autonomous systems using NASA's XPlane simulator, Published: ICRA 2022

Harvard IACS (advised by Dr. Chris Tanner) **Summer 2020-22**

Student Researcher *Remote*

- Created an armband using EMG muscle sensors and NLP to translate sign language along with the world's largest dataset of 6,000+ signs in collaboration with Google Research (Dr. Julia Kreutzer) and Harvard IACS (ICASSP 2022),

SKILLS AND INTERESTS

Software: Python (Numpy, Pytorch, Tensorflow), Javascript (TailwindCSS, React), Flask, NoSQL, Java, Excel, SQL, C, C++
Languages: English (Fluent), Arabic (Fluent - MSA and Egyptian), French (Basic)