

# Ali Hindy

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## WORK EXPERIENCE

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**Research Assistant**, Stanford Autonomous Systems Lab *Nov 2021 - Present*

- Worked with PhD candidate Rachel Luo on implementing conformal prediction methods on out of distribution predictions using NASA's XPlane simulator, in submission ICML 2022

**Data Science & SWE Intern**, Point Pickup Technologies *Summer 2021*

- Worked on implementing 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

**Product Lead**, Yakera *Summer 2021*

- Led a team of 15 software engineers to develop crowdfunding website using React.js, published in El Diario and El Nacional (largest newspaper and online newspaper in Venezuela)
- Implemented Agile methods to lead dev team, implementing Stripe, FB, Plaid, Paypal APIs

**Data Science Research**, Harvard IACS *Summer 2020-Present*

- Worked with Harvard Professor Dr. Chris Tanner and Google Researcher Dr. Julia Kreutzer to create an armband that translates sign language using muscle sensors (Preprint: ICASSP 2022)
- Wrote novel seq2seq models translating ASL to English with our dataset of 6,000+ signs

## EDUCATION

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

- **School of Engineering**, B.S Symbolic Systems
  - Concentration in Artificial Intelligence, *Cumulative* GPA: 3.91/4.0
- **Frosh Battalion**, Business Association of Stanford Entrepreneurial Students
  - Selected as 1 of 250 applicants for Stanford's Premier Entrepreneurship Club
  - Engaged with Silicon Valley entrepreneurs through a series of workshops and tutorials
- **Member**, Stanford Machine Learning Club, Stanford Club Squash
- **Relevant Coursework**:
  - Stanford CS-231n, CS229, MIT 18.01, 18.02, 18.06, HarvardX Statistics and R

**Brunswick School**, Greenwich, CT *2007- 2021*

- GPA: 102.9/100 | ACT: 36 | Class Rank: 1 | 4x High Honor Roll | Valedictorian
- **Honors/Awards**:
  - Computer Science Award, Rensselaer Research Award, Arabic Award, Cum Laude Society Inductee, James A. Shields Math Award, Geis Cup, Elected "Ivy" Speaker

## EXTRACURRICULARS

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**Editor-in-Chief**, Babel and Arabic Club:

- Ran the magazine that won 3 Gold Medals from the Columbia Scholastic Press Association
- Raised over \$15,000 for Syrian Immigrants and sustainable resources in the Arab World

**President**, Diversity in Action Club

- Facilitated open discussions about race, diversity, and inclusion for audience of 500+ students

## SKILLS AND INTERESTS

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**Software**: Python (Numpy, Pandas, Tensorflow, Keras), Javascript (React Native, React), Java, Excel, Processing

**Languages**: English (Fluent), Arabic (Fluent - MSA and Egyptian), French (Basic)