

# MATTHEW KRASNOW

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## EDUCATION

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**Harvard University** — *Cambridge, MA*

- Harvard College: Intended Concentrations: Statistics (Machine Learning) and Mathematics **May 2027**

**Fox Lane High School** — *Bedford, NY*

**Jun 2023**

- *Coca-Cola Scholar*: Chosen for outstanding leadership, academics, and dedication to community
- *Leadership*: First Responders Club Co-founder, Science Olympiad President, Fox Academy VP, Class Officer

## RESEARCH

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**AI Research Consultant** — *World Bank Group*

**May-Jun 2025**

- Evaluated AI capabilities for teacher assessment in Peru and Rwanda; manuscript in preparation for publication

**Research Scientist Intern, LLM Pipelines** — *Fluently*

**Jan 2024-Jun 2024**

- Developed a large language model application in stealth to teach marketable English language skills

**Senior Research Fellow** — *New York Medical College — Valhalla, NY*

**Mar 2020-Aug 2023**

- Performed longitudinal data analyses of pituitary gland diseases & abnormalities under Dr. Richard Noto
- Published a first-author research article; discovered the behavior of pituitary lesions that cause endocrine disease
  - o Krasnow MD et al. The evolution of pituitary cysts in growth hormone-treated children. *Journal of Pediatric Endocrinology and Metabolism*. 2022. <https://doi.org/10.1515/jpem-2022-0333>
- Published first-author research; identified the safety of GH treatment in children with Chiari malformation
  - o Krasnow MD et al. Growth hormone therapy does not impact the development of intracranial hypertension in children with Chiari malformation. *Journal of Pediatric Endocrinology and Metabolism*. 2024. <https://doi.org/10.1515/jpem-2024-0064>
- First-author of abstract and poster published in the *Journal of the Endocrine Society* and presented at ENDO 2022
- Co-author of 7 abstracts published in the *Journal of the Endocrine Society* and presented at ENDO 2021 and 2022
- Studied pituitary volume and growth hormone secretion in siblings — manuscript in preparation for publication

## PROFESSIONAL EXPERIENCE

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**Co-founder and Chief Technology Officer** — *SwiftScore*

**Mar 2024-Present**

- Leverage custom LLMs to help teachers create, administer, and grade assignments
- AI research and full stack web development of [swiftscore.org](https://swiftscore.org) using TypeScript, React, Flask, and Supabase
- Developed [evalbyswiftscore.com](https://evalbyswiftscore.com), and LLM-powered tool for classroom observations and teacher evaluations
- Reduced evaluation writing time by 93%, allowing for greater focus on teacher development

**Data Consultant** — *Harvard Undergraduate Data Analytics Group*

**Sep 2023-Jun 2024**

- Provide meaningful insights to clients using natural language processing via Huggingface Transformers
- Data analysis, visualization, and dashboarding in Python and R

## PUBLIC SERVICE

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**Emergency Medical Technician** — *Westchester EMS — Bedford Fire Department*

**Jun 2022-Present**

- Provide immediate lifesaving care to ill and injured patients on over 200 emergencies

**Firefighter** — *Bedford Fire Department*

**Feb 2022-Present**

- Protect life and property from fire-related hazards, motor vehicle accidents, and natural disasters on over 250 emergencies

**Recruit Program Leader** — *Bedford Fire Department*

**Dec 2019-Jan 2023**

- Recruited and trained 25+ high school students to become firefighters and EMTs

## SKILLS

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*Programming Languages*: Python, R, TypeScript, SQL  
*Libraries & Platforms*: Transformers, React, LMQL, Chainlit, LlamaIndex, Pandas, NumPy, Matplotlib, Google Cloud Platform, Docker, Ollama, Huggingface  
*Language*: Spanish

*Certifications*: Interior and Exterior Firefighter, Hazardous Materials First Responder, Emergency Medical Technician (NREMT), CPR, Firefighter Survival