**MATTHEW KRASNOW**  
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# Education

**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

**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
  + 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
  + 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

**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](http://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

**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

*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