

Matthew Jones

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CAREER OBJECTIVE

I am focused on AI and AI-related public policy and am currently a 4.0/4.0 Computer Science major at the University of Kentucky. I am eager to leverage my knowledge and skills through internships and summer research opportunities in the technology of AI and AI policy.

EDUCATION

University of Kentucky, Lexington, Kentucky

(4.0 GPA) Projected Graduation, May 2027

4 Semesters Dean's List

- Major: Computer Science, 105 Credit Hours Complete
- Minors: Mathematics and Vocal Performance
- Artificial Intelligence Certificate
- Study Abroad Experience in Bilbao, Spain (Universidad de Deusto)

Collegiate Activities

- Social media leader, acoUstiKats a cappella
- Treasurer, Tau Beta Pi
- Section Leader, UK Men's Chorus

William Fremd High School, Palatine, Illinois

(4.733/3.927 GPA) 2019-2023

High School Activities

- Cross Country: All-Conference Varsity Captain; IHSA Scholastic Achievement Award
- Track & Field: IHSA State Qualifier, 4x800M & 4x400M Relays
- Choir: Two-time ILMEA District VII Qualifier

CORE QUALIFICATIONS

- **AI/ML Development:** Hands on experience with OpenAI, Ollama, and open source LLMs.
- **Mathematical Foundation:** Strong theoretical background in algorithms, linear algebra, probability, and numerical methods, with upcoming training in deep learning and models of computation.
- **Programming & Systems:** Proficient in Python for machine learning & AI (NumPy, pandas), SQL, and full-stack web development (JavaScript, HTML, CSS); proficient with C, C++, Linux, and R.
- **Applications:** Retrieval-Augmented Generation (RAG) AI models with advanced document reranking and multi-LLM tournament schemes, predictive text tools in C++, Arduino hardware, and responsive website deployment.
- **Communication and Collaboration:** Public speaking, technical presentations, and team leadership in academic and extracurricular settings; cross-cultural experience from study abroad in Spain (conversational Spanish).

PROFESSIONAL DEVELOPMENT

- UK NSF Regional AI Workshop
- UK AI/ML Research Symposium
- UK Commonwealth Computational Sciences Summit on AI

October 2025

March 2024, November 2024

October 2023

WORK EXPERIENCE

AI Researcher for [ACCESS](#),

UK Center for Computational Sciences (CCS)

October 2024 – Present (Including Summer 2025)

- Developed and deployed a RAG model to assist users in drafting allocation requests based on past proposals
- Developed an LLM based tagging algorithm to categorize proposals based on their abstracts
- Improved existing AI models through document verification and retraining

Lavner Education Summer Teacher Intern, British International School Chicago

Summer 2024

- Prepared and taught lessons on subjects ranging from STEM in Medicine to C++

YMCA Sports Camp Counselor, Buehler YMCA, Palatine, Illinois

Summer 2022 and Summer 2023

Attractions Host, Legoland Discovery Center, Schaumburg, Illinois

Summer 2021