

Juan Hormaechea

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Professional Experience

AI Engineering Intern

Summer 2026

Konecta

- Developed a testing pipeline to measure retrieval performance, latency and costs of 5 state-of-the-art RAG technologies using an official BPO dataset.
- Engineered a custom agentic RAG system using LangGraph to analyze the trade-offs in retrieval quality per query type in comparison with vector and graph RAG.
- Analyzed pipeline data and provided insights into the best RAG technologies based on company objectives.

Education

University of Massachusetts Amherst

Expected Graduation:

December 2027

Manning College of Information and Computer Sciences

B.S in Computer Science

Relevant Coursework: Data Structures and Algorithms, Linear Algebra, Multivariate Calculus, Probability Theory, Machine learning

Skills

Programming Languages: Python, C, Java

Development Tools: PyTorch, Scikit-Learn, Claude Code, Visual Studio, Git

Spoken Languages: Spanish (native), English (proficient)