

Kevin Kim

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EDUCATION

Emory University

Bachelor of Science, Major in Neuroscience, Minor in Computer Science

Atlanta, GA

Aug. 2022 – May 2026

Oxford College of Emory University

Associate's in Liberal Arts

Oxford, GA

Aug. 2022 – December 2023

EXPERIENCE

Artificial Intelligence Researcher

Emory Center for AI Learning

January 2025 - Present

Atlanta, GA

- Currently working on a project in collaboration with Emory's Chemistry department on how to better improve their Chemistry Unbound curriculum
- Using Rasch IRT analysis and sentiment analysis using NLP to decipher non-binary datasets on student assessment and gauge student feedback to study the efficacy of changes in the current Chemistry curriculum at Emory using Python, SQL, and models made in Google Colab

Undergraduate Research Assistant

Emory University

September 2022 – Present

Atlanta, GA

- Compiled data concerning mental health insurance payments to study mental health provider reimbursement rates and conducted research on nationwide mental health parity law databases
- Written extensive reports and literature reviews on many topics such as the closing of the Wellstar Medical Center
- Created various statistical models coded in R, Python, and SQL while using national databases such as MEPS or AHRF on health economics data
- Currently working on a paper based on our research on insurance acceptance where I presented a poster presentation at the SRSA Conference 2024

Oncology Research Assistant

Nell Hodgson Woodruff School of Nursing(Emory University)

May 2023 - September 2023

Atlanta, GA

- Screened patients, collected/entered data, and performed qualitative analysis to develop a web-based intervention for psychoneurological symptoms of colorectal cancer patients
- Second author of a paper based on the research published in Cancer Nursing (international cancer research journal)

PROJECTS

Music Social Media App/Website | *React Native, JS, PostgreSQL, Expo, Python*

February 2025 - Present

- Built a full-stack application that uses a frontend hosted on Expo and a backend hosted on Vercel supports use on Android and Web. This social media app helps user look for songs, create playlists, and connect with other users with similar music tastes. The song database was made with the curation of opensource MusicBrainz and optimized search created using PostgreSQL and GIN index and fts word vectors.
- Developed a RandomForest-based model, optimized through cross-validation and hyperparameter tuning, for high-quality recommendations. The model was trained on the Spotify Million Playlist Challenge Dataset. This was incorporated into the home feed of my app.

Short Story RAG Model + Website | *React, HTML/CSS, Javascript, Python*

May 2024 - August 2024

- Developed a full-stack web application to enable users to share interactive stories using AI.
- Implemented a post functionality using MongoDB and Firebase for data storage and image management, authentication using Prisma adapter and Next-Auth, and implemented RESTful API that uses SWR to fetch posts and comments from MongoDB.
- Developed a complex RAG model to generate high-quality short stories and created a robust vector database and query engine. Models were trained on public domain datasets to generate over 100 different creative short stories.

TECHNICAL SKILLS

Languages: Java, Python, SQL, PostgreSQL, JavaScript, HTML/CSS, R, Swift, C, C++

Frameworks: React, Node.js, Pytorch, Prisma, Tensorflow, Expo

Developer Tools: Git, Docker, Linux, VS Code, Android Studio, Firebase Studio, Vercel

Libraries: pandas, NumPy, Matplotlib, scikit-learn, ChromaDB, Prisma, MongoDB