

RICHARD A. ÁLVAREZ

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EDUCATION

Kenyon College

Bachelor of Arts in Film

Minor in History and Concentration in Integrated Program in Humane Studies

Gambier, Ohio

Aug 2020 - May 2024

- **Relevant coursework:** Senior Research Seminar, AI for the Humanities, Software Development, Programming Humanity, Data Structures & Program Design, Introduction to Programming
- **Extracurriculars:** Horn Gallery Videographer, Club Basketball, KSJP

WORK EXPERIENCE

Library and Information Services (LBIS), Kenyon College

IT Assistant

Gambier, Ohio

Sep 2023 - Feb 2024

Support faculty and staff with technology needs, including equipment preparation and delivery, office technology moves, securely erasing and recycling outdated equipment, managing public printer support, and updating inventory records. Additionally, I conduct classroom checks and initial troubleshooting, under the guidance of Classroom Support and TSS roles.

Sommerlad Construction

General Contractor

Chicago, Illinois

June 2023 - Aug 2023

Spearheaded demolition for reconstruction projects, enhanced remodeling designs and execution, and coordinated team efforts to adhere to deadlines and safety standards.

Private Stock Studios

Production Assistant

Chicago, Illinois

Apr 2020 - Aug 2020

Streamlined film and music production processes, orchestrated schedules with studio professionals, and meticulously documented production details.

HSCHK

Research Assistant

Chicago, Illinois

Aug 2018 - Nov 2019

Worked under the guidance of Bernard Dickens III at the University of Chicago, focusing on pioneering strategies to protect against supply-chain attacks and ensure file integrity through advanced checksum technologies. My role was instrumental in developing a browser extension for HSCHK. This experience honed my ability to quickly adapt to new technologies and underscored the importance of collaborative work in the field of cybersecurity.

PUBLICATIONS

A Retrieval-Augmented Film Recommendation System | [GitHub](#) | [Digital Kenyon](#)

- Developed a Retrieval-Augmented Film Recommendation System using Node.js, integrating OMDb and TMDb APIs to enhance movie metadata for precise and personalized recommendations.
- Utilized LangChain's OpenAI integration for dynamic query generation based on user preferences, demonstrating the potential for advanced AI and machine learning techniques in digital entertainment.

Unsupervised Deep Learning and PySceneDetect Analysis of Creative Strategies | [GitHub](#) | [Digital Kenyon](#)

- Analyzed short-format video editing trends using PySceneDetect and DNNs.
- Employed t-SNE and PCA for data visualization and pattern discovery.

SKILLS

Languages: English (Native), Spanish (Intermediate)

Programming: C, C++, Python, JavaScript/Node, Rust, SQL, MySQL, PHP

Technologies: Docker, DNNs (Deep Neural Networks), NLP (Sentiment Analysis, Topic Modeling), OpenCV, Linux

Frameworks: Next.js, React, Tailwind, Scikit-Learn, Keras

Applications: Davinci Resolve, Adobe Suite, Cinema4D