

Richard Álvarez

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About Me

Aspiring IT professional skilled in troubleshooting, user training, and maintaining technology systems. Experienced in optimizing workflows and delivering high-quality customer service. Passionate about empowering communities through technology, with a strong foundation in video production, programming, and technical problem-solving.

Education

New York University (NYU) Tandon School of Engineering

Master of Science in Computer Engineering

Brooklyn, New York

Aug 2025

Kenyon College

Bachelor of Arts in Film; GPA: 3.4/4.0

Gambier, Ohio

Aug 2020 – May 2024

Minor in History and Concentration in Integrated Program in Humane Studies

Authored two papers on machine learning applications in creative industries. Produced and edited over 15 experimental video projects, including music videos, audio-reactive visualizations, and short films.

Relevant coursework includes AI for the Humanities (IPHS 300), Advanced Post-Production (FILM 391), Data Structures and Program Design (SCMP 218), Digital Photography (ARTS 321), Sex, Drugs, Guns: Research Strategies in the Contemporary Age (INDS 140), and Software Development (SCMP 318).

Work Experience

IT Assistant

Library and Information Services (LBIS), Kenyon College · Part-time

Gambier, Ohio

Sep 2023 – Feb 2024

I supported campus-wide technology needs by preparing workstations, moving office tech, and securely erasing and recycling equipment. I restocked printers daily. I conducted classroom checks under the guidance of team members. I streamlined team projects by applying programming skills, in one instance by generating a spreadsheet of course meetings and classroom locations to determine when our techs could perform maintenance.

Assistant General Contractor

Sommerlad Construction · Part-time

Chicago, Illinois

Jun 2023 – Aug 2023

I participated in demolition projects for remodeling efforts, performed general land management tasks such as lawn mowing and simple assembly, and supported the team in meeting deadlines and adhering to safety standards.

Video Editor

Kenyon College · Contract

Gambier, Ohio · Remote

Apr 2022 – May 2022

I condensed over 30 hours of interviews into a concise 10-minute recap for the John W. Adams Summer Scholars Program in Socio-Legal Studies. I crafted a polished visual presentation that adhered to Kenyon's Visual Identity System. I highlighted key interview themes while ensuring balanced representation of all participants. I delivered the final product on schedule in an optimized format, maintaining professional collaboration with the employer throughout the project.

Publications

A Retrieval-Augmented Film Recommendation System | [GitHub](#) | [Digital Kenyon](#) | May 2024

This project utilized LangChain's OpenAI integration to dynamically generate queries based on user preferences, showcasing the potential of advanced AI and machine learning in digital entertainment. The Retrieval-Augmented Film Recommendation System was developed using Node.js and integrated with the OMDb and TMDb APIs to enhance movie metadata, delivering precise and personalized recommendations.

Certificates

CompTIA ITF+ Sep 2024

NYU Tandon Bridge Mar 2025

Skills

Programming: Python, JavaScript/TypeScript, SQL, C/C++

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

Visualization: DaVinci Resolve, Adobe Creative Suite, Blender, Tableau

Open-Source Research: Maltego, Google Dorking, metadata analysis, reverse image search, social media monitoring

IT Support: Hardware/software troubleshooting, network configuration, peripheral setup, and classroom technology maintenance.

Technical Workflows: Agile, CI/CD, DevOps, OOP, functional programming