

# RICHARD A. ÁLVAREZ

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## EDUCATION

### Kenyon College

Bachelor of Arts in Film

Concentration in Computing and Integrated Program in Humane Studies

Gambier, Ohio

Aug 2020 - May 2024

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

## WORK EXPERIENCE

### Library and Information Services (LBIS), Kenyon College

IT Assistant

Gambier, Ohio

Sep 2023 - Present

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technology needs, including equipment preparation and delivery, office technology moves, securely erasing and recycling outdated equipment, managing public printer support, and updating inventory records.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.

## RESEARCH EXPERIENCE

### HSCHK

Research Assistant

Chicago, Illinois

Aug 2018 - Nov 2019

- Joined research conducted by Bernard Dickens III at the University of Chicago aimed at pioneering preventative measures against supply-chain attacks and ensuring file integrity via file checksums.
- Played a key role in the implementation of web browser extension for HSCHK.
- Communicated technical details of HSCHK to team and stakeholders.
- Quickly adapted to new technologies and worked collaboratively.

## PROJECTS

### 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.

### AI-Driven Kubrick-Inspired Film Script Generation | [GitHub](#)

- Created an AI pipeline for generating film scripts inspired by Stanley Kubrick's style.
- Designed an API using Dust.tt for script generation with Large Language Models.

## SKILLS

**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

**Languages:** English (Native), Spanish (Intermediate)

**Applications:** Davinci Resolve, Adobe Suite, Cinema4D