Richard A. Álvarez

☐ +1 773 469 9726 | @ rawalvarez731@gmail.com | ☐ GitHub | ⊕ Portfolio | ◉ Chicago, Illinois

Education

Kenyon College   Gambier, Ohio
Bachelor of Arts in Film   *Aug 2020 - May 2024*
Concentration in Computing and Integrated Program in Humane Studies

- **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   Gambier, Ohio
IT Assistant   *Sep 2023 - Present*
Support faculty and staff with technology needs, including equipment preparation and delivery, and 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 securely erasing and recycling outdated equipment, managing public printer support, and updating inventory records.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   Chicago, Illinois
General Contractor   *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   Chicago, Illinois
Production Assistant   *Apr 2020 - Aug 2020*
Streamlined film and music production processes, orchestrated schedules with studio professionals, and meticulously documented production details.

Research Experience

HSCHK   Chicago, Illinois
Research Assistant   *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