Richard Álvarez

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Education

Kenyon College — Gambier, Ohio
Bachelor of Arts in Film; ***GPA: 3.12/4.00*** — *Aug 2020 – May 2024*
Concentration in Computing and Integrated Program in Humane Studies — *Oct 2020 – Jul 2023*

- **Relevant coursework:** ...
- **Extracurriculars:** ...

Walter Payton College Preparatory — Chicago, Illinois
High School Diploma — *Sep 2016 – Jun 2020*

Work Experience

Private Stock Studios — Chicago, Illinois, United States
Production Assistant — *Apr 2020 – Aug 2020*

- Assisted with both film and music production tasks, ensuring smooth operations during recording sessions and shoots.
- Coordinated with studio engineers, directors, and artists to align production schedules and meet project timelines.
- Handled equipment setup, calibration, and breakdown for various sessions, ensuring optimal audio-visual quality for recordings.
- Maintained a meticulous record of studio sessions, ensuring that all production details, notes, and changes were documented for future

Research Experience

HSCHK — Chicago, Illinois, United States
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 design and implementation of a novel web browser extension, HSCHK, which automates file checksum verification over DNS.
- Actively participated in comprehensive research, gathering and compiling crucial information from various articles and papers relevant to the project's objective.
- Effectively communicated, both in writing and verbally, the design philosophy and technical aspects of HSCHK to stakeholders and team members.
- Demonstrated a strong ability to learn independently, quickly adapting to new concepts and technologies, while also showcasing proficiency in collaborative research and development.

Projects

Unsupervised Deep Learning and PySceneDetect Analysis of Creative Strategies | *GitHub* | *Digital Kenyon*

- Developed a comprehensive analysis of short-format video editing trends by employing PySceneDetect for feature extraction and Deep Neural Networks (DNNs) for unsupervised clustering of videos, yielding insights into innovative editing techniques and creative decisions.
- Utilized advanced visualization methods such as t-SNE and PCA to interpret clustering results, allowing the discovery of underlying patterns and correlations in modern video production and content creation strategies.

Skills

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

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

Languages: English (Native), Spanish (Intermediate)

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

Applications: Davinci Resolve, Adobe Suite