

Richard Álvarez

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About Me

Aspiring software engineer with a passion for leveraging technology to solve complex problems in fast-paced environments. Experienced in research, programming, and collaborative development, with a focus on systems programming, data structures, and advanced algorithms. Created 17 unique open-source projects and published two papers on machine learning, showcasing my ability to innovate in computational and creative workflows.

Education

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

- **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 · 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.

Projects

machinetelevision.com | [Visit Site](#)

- Developed an online web store for a skate brand, integrating Stripe for secure checkout and inventory management.
- Built with Next.js, Tailwind CSS, and hosted on Vercel for seamless scalability and deployment.

joaquinmoralesdp.com | [Visit Site](#)

- Created a portfolio website for a cinematographer and photographer, showcasing high-resolution visuals and responsive design.
- Leveraged Next.js and Tailwind CSS for fast performance and aesthetic customization.

greasyvocab.com | [Visit Site](#)

- Built a full-stack web application to generate GRE flashcards using OpenAI's API, enabling users to customize their study content.
- Implemented PayPal for secure donations and ensured data persistence with PostgreSQL.
- Designed and deployed with Next.js and hosted on Vercel for efficient CI/CD.

Certifications

CompTIA ITF+ Sep 2024

NYU Tandon Bridge Mar 2025

Completed coursework in C++, Networking, Computer Architecture, and Discrete Mathematics, gaining foundational knowledge in system-level programming and computational theory.

Skills

Programming Languages: C++, Python, JavaScript, SQL, PHP, Rust

Frameworks: React, Tailwind CSS, Scikit-Learn

Systems Knowledge: Linux, Systems Programming, Data Structures

Tools: Git, Docker, DaVinci Resolve, Adobe Creative Suite

Payment Integrations: Stripe, PayPal

API Work: OpenAI API, RESTful API Design