

Kevin Hernandez-Rives

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WORK

Independent Full-Stack Developer at Chinese Christian Church of New Jersey | 2021-2022

- Collaborated remotely with the client to design and implement several features for the church website, using PHP, MySQL, JavaScript, and Bootstrap.
- Developed a streamlined digital financial form management system enabling authorized members of the church administration to submit, approve, and archive financial forms and receipts with ease. This achieved substantial reductions in processing time and administrative workload while enhancing data accuracy and accessibility compared to the previous paper-based system.
- Identified and implemented various improvements to the user experience of church members.

PROJECTS

Flashcard Management Application (Demo: [ruruflashcards.herokuapp.com](#))

Full-stack, single-page web application to create, manage, and study flashcards. Features an intuitive and aesthetically-pleasing user interface built with TypeScript, React, and Redux; a secure back-end built with Node.js, Express, MongoDB, and GraphQL; and Google Cloud Text-to-Speech integration.

Browser-based 3D Rendering Engine (Demo: [rwgle.herokuapp.com](#))

Minimalist, browser-based, 3D rendering engine built with Rust, WebAssembly, and WebGL. Supports basic texturing, normal and specular mapping, dynamic lighting, and glTF loading.

2D Adventure Game Engine (Video Demo: [youtu.be/lqc0hwwu_T4s](#))

Cross-platform, 2D adventure game engine built with Rust, featuring concurrent event scripting with Lua, a flexible Entity-Component-System architecture, and tile-based graphics and animation.

EDUCATION

Associate of Science in **Computer Science and Engineering**, GPA: 3.6

Union County College, Cranford, NJ, USA, 2019

TECHNICAL SKILLS

Languages: Rust, JavaScript, TypeScript, PHP, Java, Lua, HTML, CSS

Technologies: React, Next.js, Node.js, MySQL, WebGL, MongoDB, GraphQL, Webpack, Git, Github

SPOKEN LANGUAGES

English (*Native*), Japanese (*Business, JLPT N1*), Spanish (*Conversational*)