Kevin Yameogo

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Specializing in full-stack development and AI-integrated systems

EDUCATION

St. John's University   Queens, NY
Bachelor's of Science in Computer Science   *Expected Graduation – May 2026*

RELATED COURSEWORK

Advanced Data Structures and Algorithms, Object-Oriented Programming, Database Management (SQL), Web Development, Operating Systems

PROJECTS

ADAPT AI | *Next.js, TypeScript, React, OpenAI GPT-4, Office.js, Tailwind CSS*   **Feb 2026**

- Built an AI-powered PowerPoint add-in using Next.js 15, TypeScript, and Office.js that integrates OpenAI GPT-4 to generate real-time executive insights, speaker notes, and research suggestions directly within PowerPoint
- Engineered a REST API endpoint using Next.js App Router to handle audio transcription and slide content analysis, enabling voice-driven slide generation via Whisper + GPT-4
- Implemented a persistent Notes Library with localStorage and multi-format export (PDF, Word, Excel) using jsPDF, docx, and xlsx, allowing users to curate and share presentation insights
- Delivered a project with cross-platform compatibility (Mac and Windows) by architecting multi-layered fallback strategies for Office.js API limitations

VCRTS — Vehicular Cloud Real-Time System | *Java, Swing, MySQL*   **Dec 2026**

- Architected a distributed Vehicular Cloud Computing platform using a multi-threaded TCP socket server enabling real-time job scheduling across networked idle vehicles
- Implemented a fault-tolerant job recovery system with checkpoint-based state preservation, automatically reassigning interrupted jobs to replacement vehicles with zero data loss
- Designed an MVC-structured desktop application featuring three role-based Swing GUIs (Client, Vehicle Owner, VC Controller) with a FIFO scheduling queue supporting configurable redundancy levels
- Engineered a MySQL-backed persistence layer via a dedicated DatabaseManager module handling CRUD operations for users, jobs, vehicles, and checkpoints on application startup

EventoAll | *HTML, CSS, JavaScript, Nodejs, Vercel*   **Aug 2024**

- Developed an interactive event information system that enables users to search for events across 30+ countries using the Ticketmaster API
- Employed modular JavaScript functions for code organization, improving maintainability and readability
- Designed a responsive layout that adjusts to various screen sizes, ensuring accessibility across devices
- Integrated a serverless function in Vercel to fetch data from the API and send it directly to the client for seamless interaction

CitationLoad | *HTML, CSS, JavaScript*   **July 2024**

- Designed an intuitive user interface for adding, viewing, and managing citations
- Utilized JavaScript to handle form submissions and store data as structured objects in Local Storage
- Designed and implemented a search feature that filters citations in real-time based on user input, demonstrating advanced string matching and data filtering techniques.

TECHNICAL SKILLS

Languages: Java, Python, Typescript, JavaScript, HTML/CSS
Frameworks: Next.js, React, Node.js
Developer Tools: Git, Github, VS Code, PyCharm, Eclipse, Vercel
Libraries: React query, pandas, NumPy, openAI