KIDUS BEZUAYEHO

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EDUCATION

Bachelor's, Computer Science + Economics 08/2022 – 12/2025

Washington University in St. Louis

GPA: 3.65

PROFESSIONAL EXPERIENCE

Fullstack Software Engineer Intern 05/2025 – 08/2025

MLS - Saint Louis City Sc — St. Louis County, MO, USA

- Engineered the server-side architecture of an internal employee management system using Node.js and Express.js, building RESTful APIs to handle GET/PUT/POST operations via Axios, with data stored in MongoDB to support real-time directory updates and dynamic permission control.
- Built a responsive web app using Vite, React.js, HTML, and CSS, integrating custom RESTful APIs for permission management and employee directory visualization. Deployed to Microsoft Azure with a GitHub Actions CI/CD workflow.
- Integrated the internal permission management API into the company's virtual currency system, enabling employees to request customer compensation for event-related issues. Automatically triggered management email notifications for approvals and implemented logging to track who requested and approved each transaction for full audibility.

Full Stack Developer Intern 05/2024 – 08/2024 | Remote

Kai

- Developed a Python-based conversational AI model using Google Gemini, integrated with user email accounts to automatically generate context-aware email replies, enabling intelligent, multi-turn communication workflows.
- Built a Retrieval-Augmented Generation (RAG) system in Python using Google Generative AI for embeddings, ChromaDB for vector storage, and LangChain for orchestration - reducing response time from 3 minutes to 1 minute and increasing user satisfaction by 30%.
- Engineered RESTful API endpoints using Node.js, backed by a Google MySQL database, to serve summary data on email activity - including sender info, location insights, common inquiries, and flagged messages the AI lacked context to answer — giving users visibility and control over their communication flow.

Student Web Developer 02/2024 – 08/2024

Washington University in St. Louis — St. Louis County, MO, USA

- Designed and developed personal and event websites for professors in the university's Statistics Department using HTML and CSS, tailoring layouts and features to individual faculty needs while ensuring accessibility, consistency, and responsive design across devices.
- Collaborated directly with faculty and staff to gather requirements and feedback, iteratively refining site content and features to ensure digital tools effectively supported academic, administrative, and outreach goals.

PROJECTS & OUTSIDE EXPERIENCE

Medical QR

Full-Stack Developer

- Designed and built a full-stack medical records and QR code system that allows doctors to securely view, manage, and retrieve patient data, using PHP and MySQL for backend logic, session handling, and data persistence.
- Created responsive web interfaces using HTML, CSS, and JavaScript (with jQuery) for login, registration, and dashboard pages, including real-time PDF display, medical history visualization, and AJAX-powered data fetching.
- Integrated QR code functionality with qrcode.js, enabling doctors to generate personalized QR codes containing patient information pulled from a live API, improving accessibility and emergency response capabilities.