Jay Kang

CONTACT

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SKILLS

Databases:
ElephantSQL, MongoDB, PostgreSQL, Strapi, Stripe, Firebase

Technologies:
Docker, MaterialUI, Flask, Restful API's, NodeJS, NextJS, Redux, React, Formik, Vite,

Languages:
CSS, HTML, JavaScript, TypeScript, Python,

Tools:
Postman, Firebase, Github, Jupyter, Visual Studio Code, Vercel, Web Scraping/Unit Testing

Actively Learning:
Google Cloud, Architecture,

Clinical Lab License:
MLS(ASCP)^{CM} May 2020-Present

EDUCATION

Bachelor of Science | 2020
Milwaukee, WI
Major: Clinical Laboratory Sciences

LANGUAGES

Native **English** & **Korean** Speaker

PERSONAL PROJECTS

ChatGPT App

- Redesigned an Open AI application using NodeJS on the server side to communicate with OpenAI's API, creating a POST request that returns the answers to user's questions
- User interface styled similarly to ChatGPT website, responsive functionality built with JavaScript that sends user prompt and AI returns JSON info as response with unique id

MyNutrition App

- Engineered a full-stack web application with a React framework and Flask backend that allows users to signup, login, and access a BMI Calculator
- Integrated Nutritionix API that allowed users access to a food's nutrition data within the database, along with a news API to access nutrition articles

EXPERIENCE

Software Engineer Trainee | Coding Temple   June 2022 - Present

- Constructed a CRUD web application using Python, Flask, Jinja2, and SQLAlchemy to store data, set up user authentication, and deliver dynamic, protected web pages
- Designed a Weather App with JavaScript DOM manipulation and data from Weather API
- Retrieved RESTful APIs that uses token authentication to generate a unique access token on HTTP requests, verify complex logins, and manages user sessions
- Crafted databases using PostgresSQL and Entity Relationship Diagrams
- Connected a React app to a Flask API which calls CRUD operations and uses react hooks
- Created a return-on-investment calculator, ecommerce website, and ticketing data system with Python + OOP principles

Medical Laboratory Technologist | Jesse Brown VA   August 2020 - June 2022

- Analyzed and consolidated abnormal patient results to provider and deployed data on EMR system
- Compiled and presented laboratory test data from Quest, Mayo Clinic, and Labcorp to determine best course of action for patient care
- Analyzed full range of manual and automated test procedures in multiple departments including: hematology, chemistry, immunology, urinalysis, and blood bank

Math Tutor for K-8th Grade   May 2016 -August 2020

Gym Service Staff | Marquette University   May 2018 - November 2019