

Arnold Su

Software Engineer

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Personal Projects

ArtOff!

A fun, exciting application for users to compare, vote, and track their favorite artworks from their favorite artists.

Utilized data of over 400,000 original artworks from the The Met Museum **API**.

Built using the **Django** framework, **Python** and **mySQL** for backend data management

Designed team strategy, theme, and wireframe for front-end and back-end development using **HTML** and **CSS**.

Kanban Board

Digital task board, traditional Japanese system

Created interactive task board with **Angular.js** and **Firebase** auth for user login and data storage

Developed endpoints and requests using **RESTFUL** architecture for **JSON** responses.

Expanding into integrating twitch **API** for video/streaming support and **React** interface.

Merlin's Message Forum

A powerful message forum for Merlin to connect with Camelot.

Message board built with **Vue.js** framework and **Python** using **SQLite** for backend data handling.

Generated over 1000 messages over 20-labeled categories with data for **API**, **JSON** exportation.

Developed wireframe to deployment written in **Python** and **JavaScript** as a solo project for front-end and back-end of application.

Experience

OpenSearch, Amazon Open Source Contributor Initiative | October 2023 - Present | Open Source

Investigating and tracking issues in Neural-Search for documentation before flagging a contributor

Running tests on Neural-Search queries raised, replicating bugs to identify dependency issues or version mismatches

Submitting pull requests on changes in code and documentation supporting architecture change suggestions

Working side-by-side with OpenSearch contributor during office hours

Restaurant Manager, Red Sun Ventures Corporation | March 2021 - Present

Analyzed and tracked trends for **iOS & Android Applications** while developing solutions for chefs to generate customer leads.

Developing **SPA** (single-page-applications) for post-events, decreasing average payment timeline from 5-days to 2-days.

Experimented with AI-strategies using **CHAT-GPT** for creating new dishes or educating chefs on cuisine techniques.

Chief Technology Officer, Anytime Hawaiian Restaurants | March 2020 - March 2021

Deployed online website for online ordering using **HTML**, **CSS**, **SASS** and **Javascript** in the **Node.js** framework.

Devised **Toast POS** system for food delivery **APIs** on the company's localized website for seamless ordering experience for guests.

Made financial reports monthly for the accounting department consisting of sales, staffing hours, deliveries, and equipment costs.

Restaurant IT Manager, Shogun Restaurant Group | November - 2018 - March 2020

Automated Japanese Teppanyaki restaurant systems consisting of 80 employees with an annual revenue of three-million dollars.

Converted kitchen systems by utilizing **Oracle Cloud Systems** and improving cooking processes; increasing service speed by 30%.

Designed and maintained **Micros Oracle** POS Symphony back-end **Node.js** database for faculty management, and orders.

Technical Lead, Gate Group | November 2016 - November 2018

Translated company cuisine gallery, equipment safety, and production procedures into paperless, accessible interfaces.

Collaborated with Delta, Virgin-Australia, and American Airlines on menu items for their company **landing pages**.

Audited and logged cooking procedures with **SQL** for HACCP using **IOT** devices eliminating lost paper-forms for cooking temp. Logs.

Education

Coding Dojo | Full-Stack Developer Program

700+ hours of programming (45+ hours per week) in a simulated company, cooperative coding environment with deadlines.

Coding Languages: Python, Javascript, TypeScript, Java, Kotlin, Vue, Solidity, HTML5, CSS, SASS, and SQL

Frameworks: Django, Next, React, Flask, Electron, Nuxt,

Le Cordon Bleu, Pasadena | B.A. Management