Rasa Ichimori

Web Developer

www.rasaichimori.com

CONTACT

(385) 225-5593
rasaichimori@gmail.com

EXPERIENCE

Nomuyo – *Full Stack Web Developer*

Jan 2022 - Present

- Completely revamped the website and owned entire full-stack website development from design to deployment, leading to a 70% increase in traffic.
- Implemented a new payment system with Ecwid, saving the company $400 monthly and allowed managers to see visitor/sales reports.
- Made UI enhancements using React, and the Web Canvas API which allow customers to have increased interactivity with the website and have fewer clicks to complete checkout process.

Brigham Young University – *Full Stack Web Developer*

(housing.byu.edu)

Dec 2022 - Present

- Directed a team of developers to transition all the website's tools and applications written Visual Basic to C# increasing overall site efficiency.
- Refactored legacy Oracle SQL scripts decreasing processing time by 25% for database records of 40,000 students.
- Increased site security by eliminating SQL vulnerabilities using DAOs and implemented an auto-generated integration testing system.

Learning Through Robotics - *Curriculum Developer*

Feb 2017 - Oct 2018

- Created over 150 robotics lesson templates for teachers and trained them on hands-on robotics equipment like Lego Mindstorms and Arduino.
- Supervised a team of teachers to deliver an engaging STEM experience to over 1000 students during the summer and 700 students in after-school programs.

PROJECTS

koipond – (koipond.ink)

- A pure JavaScript website that allows users to interact with other users in real time as koi fish.
- Utilized technologies such as socket.io, Node.js, and the Web Audio API.

Music Visualizer – (rasaichimori.com/projects/musicvisual)

- A fully customizable music visualizer that reacts to a spectrum of frequencies to create visual representations of user uploaded songs.
- Used libraries like P5.js, Pixi.js and the Web Audio API.

Particle Simulator – (rasaichimori.com/projects/particlefun)

- A physics simulator that displays molecular particle interactions using a physics engine that I coded from scratch.
- Users can control settings such as gravity, attraction, repulsion to see particle connections.

Music Terrain – (rasaichimori.com/projects/musicterrain)

- A music visualizer that creates unique terrain based on the audio frequency of my songs.
- Makes use of the Audius API so that it always displays my most current tracks.

SKILLS

HTML / CSS / JavaScript

ASP.NET, Oracle

jQuery, React, Three.js

Node.js

C++ , C#

Python

R, SQL, Excel, Tableau

Ableton Live

Adobe Creative Suite

EDUCATION

BYU Marriott School of Business - *BS in Entrepreneurial Management*

GPA: 3.86

- Alumni Association Academic Scholarship Half Tuition

August 2019 - April 2024

GROUPS

Crocker Innovation Fellowship

- One of 30 students were selected out of 200 applicants to work in an interdisciplinary team of students to innovate and launch a successful business from start to finish.
- Lead developer for a solution prototype for private practice doctors to reduce insurance bad-debt.
- Accumulated over $10k in seed funding for the startup

Jan 2023 - Dec 2023

AWARDS – (music)

- 1st place - Audiotool Day 2020)
- 1st place - Most Creative Use of TR-303)
- 2nd place - 909 Day Contest
- 4th place - Audiotool Day 2019
- 3rd place - Chrysalis Remix Comp $300

HOBBIES

- Produced over 80 songs with over 400K plays across music platforms under the artist name rai.
- Play the drums, guitar, and piano
- Skate boarding
- Drawing