

Susie Valdez

Medical Doctor -> Software Engineer

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Projects

I have many projects on GitHub. Here are my favourite ones!

Instant Coffee Godot+GDScript

2022

- A game where the player collects items while avoiding the AI.
- Built AI's pathfinding and behaviour with a State Machine.

Gokémon TypeScript React Golang

2022

- Web based Pokémon card collection and trading web game.
- Supports user accounts, friend lists, and login based rewards.

Cartographer TypeScript React Golang

2022

Postgres

- Supports drawing pictures and stores them in Postgres.
- Supports large browser canvas, with panning and zooming.

Reddit->Discord Bot JavaScript Node.JS

2022

- Pulls random images from a subreddit, and posts it to Discord.

Discuss JavaScript React Node.JS MongoDB

2021-2022

WebSockets

- Complete Discord clone, with servers and channels.
- Supports real-time communication between users.
- Secure log-in via email+pass or QR code and user's phone.
- Supports link highlighting and expanded images.
- Users can configure their profiles and online-status.
- Server admins can add user roles and configure permissions.
- Permissions can allow users to manage users/servers.

React Movie Database JavaScript React

2021

- Netflix/IMDB clone, pulls movie data from TheMovieDB API.
- Supports searching for movies by name, or description.

Tim 'n' RAVs Godot+GDScript

2021

- Fast-paced 2D game where the player has to collect items, while avoiding deadly obstacles.
- Learnt a lot about collaborating on a project with git.

Singing Kittens JavaScript React

2021

- A web based sequencer, which plays various sound effects.
- User can configure which sounds play on which beats.

Bard JavaScript Node.JS

2021

- Wrote a CLI to track programming articles I had read.
- CLI POSTs the article information to a custom GitHub Action
- The GitHub Action scans the article's metadata for images and then stores all the information in a JSON file in a GitHub repo.
- My website fetches this JSON file and renders the articles.

100 Days of Code Challenge JavaScript

2021

HTML+CSS

- Self imposed challenge to write code everyday, to learn faster.
- Displays commit history in a pretty grid, using GitHub's API.
- Cached results to fit within GitHub's restrictive API call limits.
- Wrote backend API to store cached commit information.

DIY-Lang Python

2021

- A turing complete functional programming language.
- Wrote a parser, evaluator, and REPL.
- Supports extending it's standard library in it's own language.

Computing Skills

JavaScript

TypeScript

Node.JS

React.JS

React.JS

Golang

SQL+NOSQL

WebSockets

Git

CLIs

MATLAB

Godot+GDScript

Experience

JAVA Plasticos - Freelance web developer

2021-2022

TypeScript React

- E-commerce shop for a local business.
- Wrote a mobile app to manage the product information.
- Connect site contact form with a bespoke WhatsApp bot.

DIF Capullos - Medical Doctor Medicine

2018-2019

- Worked in collaboration with other health staff members to provide care for the State foster system children.

Houston Methodist Research Institute - Medical

Doctor Intern Medicine

2010

- Reaserch Internship at Infectious Disease Department.

Education

Udemy Courses on Software Engineering

2020-2022

- Fundamentals of React.JS JavaScript React
- Fundamentals of Golang Golang

HardvardX - Fundamentals of Neuroscience

2019

- Fundamentals of Neurons and The Brain Medicine



Instituto Tecnológico de Estudios Superiores de Monterrey

2010-2018

- Medical Doctor - Physician and Surgeon Medicine

Publications

Mexican Journal of Neuroscience

- [Hemangiopericytoma: Case report and review](#)  2016-2017
- [Acute Toxic Leukoencephalopathy caused by thermogenics: Case series: Mexican Journal of Neuroscience](#)  2016-2017

Languages

- Native: Spanish
- Fluent: English (IELTS Certified)
- Basic: German, French

Personal

- Game Jams: including GMTK and Godot Wild Jam
- Hackerrank, Project Euler
- Video Game Art Design
- Freelance Digital Artist
- Neurosciences