Isaiah Dorado

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EXPERIENCE

Undergraduate Research Assistant   Feb. 2019 - Present
San Diego State University| San Diego, CA

Manage the 4-Dimensional Visual Delivery of Big Climate Data (4DVD) website development team. Collaborate with a small team and a professor to bring new features and functionality to the 4DVD website in a timely manner. Train new team members in frontend and/or backend work.

  Key Accomplishments:
- Co-author in a peer-reviewed article about one of the many uses of the 4DVD website.
- Recorded, edited, and published a tutorial on YouTube to teach new users of the basic functionalities of 4DVD.

Web Developer Intern   July 2020 - Dec. 2020
WesternQRM | San Diego, CA
- Designed and implemented a backend using MySQL and PHP to connect to an existing frontend to handle software as a service functionality.
- Collaborated directly with the CEO to make sure all goals were met with satisfaction.

PROJECTS

Reddit Clone | React, TypeScript, GraphQL, PostgreSQL, Chakra, Docker
- Built a Full Stack scalable Reddit clone using React and PostgreSQL.
- Handles creating new posts, creating new users, signing in old users, functionality to send automated emails for forgotten passwords, "upvoting/downvoting" posts, deleting and editing user posts.
- Backend deployed using Docker and frontend deployed using Vercel.
- Website: https://doradoisaiah.com | Github: https://github.com/zaydor/mockeddit

4-Dimensional Visual Delivery of Big Climate Data|Angular 7, TypeScript, HTML, CSS, MariaDB
- Full Stack project I work on as an undergraduate research assistant at the Climate Informatics Lab at San Diego State University.
- Lead a small development team, train new students who join the team in the project's frontend/backend, delegate tasks amongst ourselves, and hold weekly update meetings to ensure we meet deadlines.
- Directly involved in transitioning the website from AWS servers to SDSU servers.
- Website: https://4dvd.sdsu.edu/ | Github: https://github.com/dafrenchyman/4dvd

Fantasy Football Running Back Score Predictor | Python
- Class project to evaluate and analyze machine learning regression models.
- Cleaned data and designed a support vector regression model to predict running back fantasy scores with ~0.3 accuracy, comparable to results by RotoWorld, a popular fantasy sport website.
- Github: https://github.com/zaydor/fantasy-score-predictor

EDUCATION/ORGANIZATIONS

San Diego State University | Bachelor of Science in Computer Science   Expected Aug. 2021
- GPA: 3.17

NOAA-CESSRST   Aug. 2019 - Present
- NOAA EPP Earth System Science and Remote Sensing Scholar

Louis Stokes Alliance for Minority Participation (LSAMP@SDSU)   2017 - Present