clayton young

- Oakland, CA
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- https://claytonyoung.github.io

Profiles

johnclaytonyoung

ClaytonYoung

Skills

Languages

Python, R, SQL, JavaScript

Frameworks

Django, Tailwind CSS, React, Tidyverse, Shiny

Tools

GitHub, AWS (ECS, ECR, S3, RDS, Route 53), Docker

Experience

Radiata	October 2023
Technical Cofounder	San Francisco, CA

radiata

- Developed a neuroimaging web application that enables biomarker discovery through user-uploaded and open-source data, leveraging AI/ML.
- Established and automated a CI/CD pipeline to deploy the application on AWS using GitHub Actions.
- Set up AWS infrastructure, including ECS for container orchestration, ECR for image storage, S3 for data storage, RDS for PostgreSQL, and Route 53 for DNS management.
- Integrated secure authentication with Django-allauth and React, enhancing user experience and data protection.
- Utilized Tailwind CSS to create an intuitive and visually appealing user interface.

University of California, San Francisco	May 2022-August 2024
Data Science Engineer	San Francisco

Data Downloader

- Developed an interactive R Shiny application and R Markdown notebooks that enabled researchers to generate, subset, and validate versioned datasets, creating a system that completes within minutes, rather than years.
- Collaborated with users to produce interactive data dictionaries, ensuring data transparency and accessibility across different teams.
- Provided training on GitHub best practices to researchers, improving version control and collaboration within research teams.

University of California, San Francisco	June 2019-May 2022
Research Coordinator	

https://decisionlab.ucsf.edu/

- Managed research operations in Dr. Chiong's lab, specializing in decision-making in dementia and neuroethics, and contributed to data analyses and visualizations that led to four co-authored publications.
- Played a key role in administrative and logistical planning, supporting grant proposals and managing the lab's research schedule.

Education

University of California	2017
Davis, CA	Bachelor's in Biopsychology

- Research Assistant in two cognitive neuroscience labs using EEG to understand visual working memory, attention, and language.
- Presented at Cal's Society of Linguistics Undergraduate Students Symposium