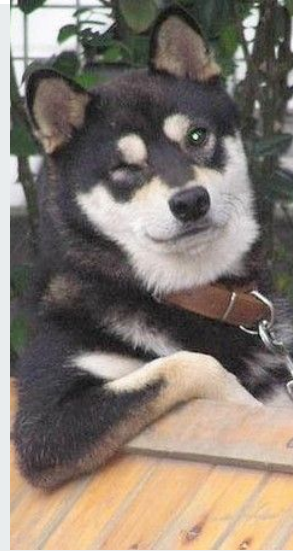# Find a Dog for Me!

Samarth Desai, Keven Chen, Bryan Yang, Daniel Ho, Matthew Zhao
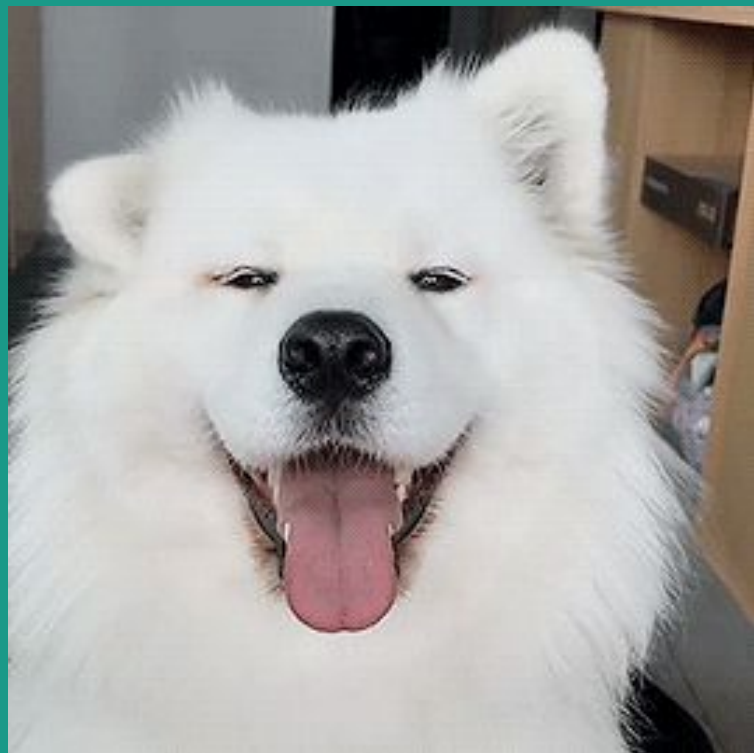
Introduction

- Simplify finding available dogs and establishing a motivation for their adoption.

- Unified system tying together dogs, breeds, shelters, and dog-friendly activities.

- Match owners with specific dogs and breeds based on their preferences.

Member Roles

- **Daniel Ho:** Frontend (Full-site search, query interface)

- **Bryan Yang:** Frontend (About page, carousels, home page, model page cards)

- **Keven Chen:** Frontend (Animation, nested routing, pagination)

- **Samarth Desai:** Backend (API wrappers, scraping, testing)

- **Matthew Zhao:** Fullstack (hosting, API development, visualizations, general)

Demonstration

Self Critique

What did we do well?

- Clean, minimalist frontend design.

- Multimedia integration

- Database seeding scripts.

- Rich API with many model instances.

What did we learn?

- Hosting on AWS (Elastic 🌿, S3, CloudFront, RDS)

- Flask and API development

- React Component Paradigm

- Responsive Resolution Rendering

- Rigorous testing (Mocha, Chai, Selenium, Unittest, Postman)

What can we do better?

- Avoid Flask-Restless

- Quality of D3 visualizations

- Code Design/Planning

- UI/UX Design

- Explicit team coordination

What puzzles us?

- Presenting inconsistent instance data

- Automated database reseeding

- React Component construct vs render

- React routing

Provider Critique

What did they do well?

- Beautifully designed website

- Simple and straightforward API

- Neatly organized instance pages

TEXAS

Capital: Austin
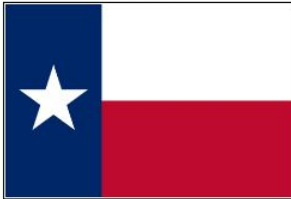
POPULATION (2018)
28,701,845 people

AREA
268,581 sq. mi

POPULATION DENSITY
108.0 ppl/sq. mi

FLAG

Map of Texas in the United States

Summary

Thunderstorms strike Texas often, especially the eastern and northern portions of the state. Tornado Alley covers the northern section of Texas. The state experiences the most tornadoes in the United States, an average of 139 a year. These strike most frequently in North Texas and the Panhandle. Tornadoes in Texas generally occur in the months of April, May, and June.Some of the most destructive hurricanes in U.S. history have impacted Texas. A hurricane in 1875 killed about 400 people in Indianola, followed by another hurricane in 1886 that destroyed the town. These events allowed Galveston to take over as the chief port city. The 1900 Galveston hurricane subsequently devastated that city, killing about 8,000 people or possibly as many as 12,000. This makes it the deadliest natural disaster in U.S. history. In 2017, Hurricane Harvey made landfall in Rockport as a

What did we learn from their website?

- Emphasis on design

- Improving UX through small visual enhancements

- Augmented landing page

- Carousels to reduce related-instance clutter

What can they do better?

- Add more color to Natural Disaster instance cards

- Include more multimedia on instance pages

- Expand upon the functionality of the API

- Increase number of model instances

645 DISASTERS

Page **1** / **54**

Reset Filters

Filter Options

Minimum FEMA funding: | Amount |

Sort Options ▾ |

State ▾ | Incident Type ▾ |

Search |

SEVERE STORMS, TORNADOES, AND FLOODING

Severe Storm(s)

Afflicted Area: Mississippi
Funding Given:$4,336,788
Classification: Major Disaster

View More

SEVERE STORMS AND FLOODING

Flood

Afflicted Area: New Mexico
Funding Given:$14,699,471
Classification: Major Disaster

View More

HURRICANE IRMA

Hurricane

Afflicted Area: Florida
Funding Given:$0
Classification: Emergency

View More

HURRICANE SANDY

Hurricane

SEVERE WINTER STORMS,

TROPICAL STORM HARVEY

What puzzles us about their website?

- Lack and Repetition of Organization instances

- Biased / Concentrated data

- Natural Disasters don't have more precise location data

Questions?

Please clap UwU