

Software Engineer

Katrina Nguyen

Phone: 714-204-2669

Email: katrinan@usc.edu

LinkedIn: <https://linkedin.com/in/katrinano29>

Github: <https://github.com/katrinano29>

Personal Site: <https://katrinano29.github.io>

OBJECTIVE

Highly motivated, self-taught developer with fundamental knowledge of software design, development and testing.

SKILLS & EXPERTISE

JavaScript, React, Chart.js, D3, Node, Express, Python, SQL, PostgreSQL, HTML5, CSS3, Relational Database Design, Object-Oriented Design, Functional Programming Knowledge, API Design Knowledge, Machine Learning, JSON, R, Leaflet, Git, Bootstrap, Webscraping, MongoDB, Spark, Big-Data

PROJECTS

SIMPLE (Service Insights from Machine Processing of Linguistic Evaluations)

Description: Used Sentiment Analysis as a natural language processing technique to determine whether 42,000+ reviews from Disneyland are positive, negative or neutral. Technologies: JavaScript, Python, PostgreSQL, HTML, CSS, Heroku

- Designed and implemented frontend interfaces to assemble the web application to display data visualizations based on results of the sentiment analysis. **Link:** <https://keep-it-simbal.herokuapp.com>

Project Shutdown

Description: This project analyzes the COVID-19 impact of registered business across San Francisco. **Technologies:** JavaScript, Plotly.js, Chart.js, D3.js, Python, PostgreSQL, HTML, CSS

- Created a mobile-responsive web application as well as an API using the Flask framework in Python to present findings via charts and maps. **Link:** <https://github.com/katrinano29/project-shutdown>

Pet Adoption

Description: Don't buy, adopt! Pet adoption is a small application to browse adoptable pets. **Technologies:** JavaScript, React.js

- Built an application by using the latest features in React, including hooks, effects, context and portals so that users can easily navigate through the web page and find pets to adopt. **Link:** <https://github.com/katrinano29/adopt-me>

WORK EXPERIENCE

Management Analyst

City of Santa Clara | December 2018 - April 2021

Partnered with internal stakeholders and outside organizations in conducting studies to apply best practices to budgeting and financial policies in order to safeguard city assets and maximize community services. Led efforts to reduce the budget by \$5.0 million following the impact of the COVID-19 pandemic.

WORK EXPERIENCE

UC Berkeley Extensions, Berkeley, California

Data Analytics Certification

University of Southern California, Los Angeles, CA

Master of Public Administration Degree

University of California, San Diego, La Jolla, California

Bachelor of Arts in Political Science/Public Law Minor: Business Administration