TYLER STOVSKY

SOFTWARE ENGINEER

CONTACT

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EDUCATION

University of California, Los Angeles
B.S. Computer Science
September 2020 - Present
GPA: 3.899

Relevant Coursework:
Logic Design of Digital Systems, Software Construction, Fundamentals of Artificial Intelligence, Computer Organization, Algorithms and Complexity

SKILLS

Express | Python | HTML/CSS | React | JavaScript | Bash/Shell | C/C++ | Node.js | Git | Scikit-Learn | Pandas

EXPERIENCE

TagBox
Software Engineer Intern (June 2022 - August 2022)

- Used Amazon Rekognition Custom Labels to develop a custom model which is trained to analyze images specific to real clients' use cases
- Designed and developed custom test cases and used automation tools and scripts to perform automated testing
- Learned the application and performed manual testing in order to be able to efficiently design automation tools as well as replicate obscure problems
- Developed an understanding of testing principles and methodologies, software development life cycles & processes as well as performance, stress, and load testing methodologies

PROJECTS

Buzz
Description: An interactive web application designed to update people on how busy places are in real-time. Users are able to help others by entering a current rating of a place's busyness, and can view a real-time score of how "hot" a place they are interested in is.
Used: JavaScript, React, HTML/CSS, Google Cloud - Firestore/Google Maps API

- Designed a scalable Cloud Firestore Data model which contains collections of users, places, active user ratings (ratings which are relevant to real-time busyness), and inactive user ratings
- Created a custom map which displays points of interest that are in close proximity to a user, presenting a simple visualization of how busy they are
- Developed a simple user interface which allows users to easily enter place specific ratings, which communicates with Firestore to update the map in real-time

End Overdose Data Analysis
Description: Research for End Overdose, a non-profit dedicated to spreading awareness on the opioid crisis, to explore surveying data, visualize basic demographic data, and use machine learning techniques to predict which set of factors or features are most predictive for a drug overdose.
Used: Python, Scikit-Learn, Pandas

- Cleaned and preprocessed surveying data to be used for machine learning
- Created a logistic regression model which accurately predicts drug overdoses based on predictive features selected from a baseline model
- Visualized surveying data to explore and analyze patterns among those who requested fentanyl testing strips

BruinSource
Description: An open source project collaboration service for university students who wish to join projects as external collaborators. Users can create groups for their projects, link it to an interest area or language, and allow for other students to take on and upload code for revision.
Used: JavaScript, React, HTML/CSS, PostgreSQL, Node.js

- Designed a user interface where users can sign-up, log-in, and fill out preferences and interests to be involved in projects
- Created a dashboard which displays dynamic data based on projects a user is currently collaborating on
- Developed PostgreSQL queries to search and find open source projects that match a user's interests and preferences, and add them to their dashboard
- Collaborated closely with a four-person team to strategize, design, and implement features in an efficient and timely manner