Osama Hanhan

Bay Area
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Multilingual Backend Software Engineer that speaks Arabic, Hebrew, and English

Education

Expected: May 2021
San Jose State University – B.S. in Computer Science
GPA: 3.53 / 4.0
Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Information Security, Server-side Web Programming, Object Oriented Programming, Intro to Artificial Intelligence, Formal Languages and Computability, Database Management, Operating Systems, Introduction to Networking

Projects

Banko – Banking Management System for Shared Finances
Technologies: HTML5, CSS3, React.js, MySQL, JQuery, Spring Boot, Git, Unix, Ajax
- An application to help you manage your finances built as a group project
- Personally built much of the Spring Boot backend, and utilizes JQuery's AJAX to link it to the React frontend
- Built the frontend functionalities that connect to the REST api, such as our messaging system, and our transaction functionalities
- Built many of the frontend React pages including the groups page, the transactions page, and the messaging page

Multithreaded Genetic Algorithm – Genetic algorithm done using multithreading
Technologies: C, Multithreading, Git, Unix, Genetic Algorithm
- Genetic algorithm that works towards a specific 'goal' array of doubles
- Utilizes multithreading with a specified thread count to split the math necessary for mutations and reproduction

ZooSystem – Zoo management system
Technologies: Java, JavaFX, Git, Unix
- Object-oriented zoo management system that allows a user to manage profits, employee actions, and animal interactions in a simulated zoo
- Received the highest grade in the class for the final project
- Used Agile development and test-driven development to build various interfaces and object functionalities
- Connected object-functionality to the front end GUI that was built using JavaFX

Twitter Clone – Clone of Twitter's Desktop Site
Technologies: MongoDB, Express.js, React.js, Node.js
- A code-for-code clone of Twitter's desktop website that utilizes the MERN stack
- In progress project for learning the MERN stack
- Expected deployment onto Google Cloud by the 30th of December

Experience

January 2020 - May 2020
Teacher Assistant – San Jose State University
- Selected for TA opportunity during my undergrad based on being one of the top performing students in William Andreopoulos' Data Structures and Algorithms class
- Worked closely with students to teach them coding conventions and data structures. Graded homework and project submissions weekly

October 2018 - July 2019
Customer Service Representative – JCPenney
- Balanced 20 hour-a-week workload while studying Physics at Foothill and teaching myself to code
- Chosen to train new OMNI associates on how to tackle problems and efficiently help customers