DAWINDER SINGH

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SKILLS

JavaScript, React.js, Redux, Node.js, Express.js, RESTful API, GraphQL, PostgreSQL, MongoDB, Python, Rails 5, Ruby, Git, HTML5, CSS3, Sass, CSS-in-JS, Puppeteer, Automation, Apollo, D3.js, Heroku, Netlify

EXPERIENCE

Full Stack Developer Intern | *Tegger*   Jan 2021 - Present
- Revamp design and functionality of widget on partner sites to better attract user attention and improve readability
- Coordinate with UX team and CTO to refactor components on Tegger platform from conception to production

Treasurer | *Bruin Bhangra*   Sept 2018 - Jun 2019
- Developed and managed a $100,000 cash flow budget for an international dance competition (1000+ attendees)
- Oversaw marketing strategies, capital raising, booking of venues and hotels, and vendor transactions

PROJECTS

Instapost | (GraphQL, React, AWS S3 & SDK, Apollo, Prisma, PostgreSQL)   **live** | **repo**
A photo sharing & messaging social networking service inspired by Instagram

- Implemented an instant search feature utilizing GraphQL queries and url location to send data requests on each state change, fetching real-time search results as the user types
- Employed Apollo GraphQL queries, mutations, and subscriptions, preventing over and under-fetching by sending a single query with concrete data requirements to the server
- Applied useMutation hook API and refetchQueries option to simultaneously update data in backend and frontend
- Incorporated media queries and styled-components to adjust the application's layout according to screen size, developing a fully responsive web design

Sorting Algos 101 | (Data Structures & Algorithms, HTML, CSS)   **live** | **repo**
A visualization of sorting algorithms with explanations and pseudocode

- Integrated algorithms - such as quick, merge, bubble, insertion, and selection sort - to visualize sorting of an array
- Utilized setTimeout and onClick DOM functionality to adjust animation speeds and determine array size

TestZoo | (Node.js, Express.js, React/Redux, MongoDB, REST API)   **live** | **repo**
A test service where users can create and take tests

- Introduced React reducers to process user updates on a test's questions, answers, and previous scores, and developed functionality to immediately push these changes to the backend and database
- Connected backend Express routes to frontend via axios requests in React actions, fetching users' created tests and rendering them as links to the test-taking platform

Stats Don't Lie | (JavaScript, d3.js, HTML, CSS)   **live** | **repo**
An interactive data visual of NBA player statistics

- Designed responsive bubble and bar charts composed of NBA player statistics using the D3 library, packing an array of JSON player objects as children nodes into a sum-based D3 hierarchy

EDUCATION

App Academy - *immersive 1000+ hours software development course, 2019-2020*
- Coursework: React, JS, SQL, Object Orientated Programming, algorithms, and programming best practices

University of California, Los Angeles - *B.A. Economics, 2016-2019*