THOMAS GREGA

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SKILLS

JavaScript, React, Redux, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, HTML, CSS, Webpack, jQuery, Git, GitHub, Heroku

PROJECTS

MapMyJog (Rails, ReactJS, Redux, Google Maps API, Google Directions API, HTML5, CSS3, PostgreSQL)   live | github
Full stack fitness web app that allows users to create and save running routes as well as add friends and comment on their routes.
- Incorporated Google Maps API and Google Directions API to allow users to plot markers and create a personalized route which they can save, edit, delete, and share to receive comments.
- Utilized array local state to elegantly manipulate waypoints to allow for actions such as undo, clear, return to make full circle and implement a CRUD system for routes.
- Implemented React-Router for custom frontend authentication and Active Record, Rails conventions and BCrypt for secure backend authentication.

JobieWalkie   (ReactJS, Redux, ExpressJS, Node.js, Mongoose, MongoDB, HTML5, CSS3, Google Maps API)   live | github
Full stack job search web app showing the latest job postings on LinkedIn for Software Engineers with an uncluttered user interface.
- Collaborated with three software engineers using good Git workflow, allowing for smooth implementation of features and completion in less than a week.
- Populated the database by using the Puppeteer API to scrape LinkedIn for the latest software engineer related job listings.
- Managed a debriefs CRUD feature through ExpressJS, Mongoose and MongoDB and connecting it to the React/Redux frontend allowing users to write, edit or delete their interview experiences on a company's page.
- Implemented Google Maps API and passing in the location that was scraped, users can click on a job listing to render a map that shows the area where the company is located.

Pathfinder   (JavaScript (ES6), HTML5, CSS3)   live | github
A pathfinding app that allows users to visualize multiple algorithms find a path from a start to end point.
- Applied Dijkstra's and A* algorithms to visualize the difference while finding the shortest path from one point to another.
- Implemented recursive division to randomly generate a maze for the Pathfinder to navigate and find the shortest path
- Leveraged multiple combinations of mousedown, mouseup, mouseenter, and mouseleave event listeners to create a smooth drawing experience for user construction of custom obstacles.

EXPERIENCE

Aircraft Maintenance Technician

SIA Engineering Company   Dec 2018 - Jan 2020
- Verified the safety of 8 to 10 aircrafts a day, carrying 1600+ passengers daily and released them before their departure time.
- Inspected and monitored modern technology on Boeing 777 and Airbus A350 aircrafts.
- Followed strict maintenance procedures and guidelines of more than four countries.

Price Change and Backroom

Target Corporation   June 2013 - Nov 2018
- Led a team of 8 to punctually deliver daily price changes before store opening to ensure customer price satisfaction.
- Mentored 2 - 3 new hires a month in adapting to becoming successful in the company.

EDUCATION

Web Development - App Academy   Summer 2020
Immersive software development course with a focus on full-stack web development, which entailed 1000+ hours of coding.
FAA Airframe and Powerplant License - City College of San Francisco   Spring 2018