Tyler Knapp

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LinkedIn: /TylerKnapp Portfolio: https://tyler-knapp-portfolio.netlify.app/ GitHub: /Tyler-KD

Front end web developer with a background in Biology and eagerness to learn and adapt. Certificate in Full Stack Web Development from Rice University Coding Boot Camp. Proponent in resolving issues through efficiency and responsiveness with a strong focus on user-friendly intuitive design. Included strengths are aesthetic attention to details, amicability, feasible work ethic, and capability of realizing and employing the end product.

Technical Skills

JavaScript ES6+, CSS4, HTML5, GitHub, jQuery, Bootstrap, JSON, Node.js, node package manager, inquirer, express.js, Web APIs (Application Programming Interface), RESTful APIs (Application Programming Interface), Structured Query Language, Sequelize, express-handlebars, express-session, handlebars, Object-relational Mapping (ORM), Model View Controller (MVC), MongoDB, Mongoose, Progressive Web Applications (PWA), React, Vite

Projects

Foodr | /camwhritenour/Foodr | /Foodr/

- Summary: Collaborative quiz application that helps decide what food to eat based on various choices
- Role: Back-end designer
- Tools: HTML, CSS, JavaScript, bootstrap, Edamam API, Maps Data API, LocalStorage

Read Red and White | /Tyler-KD/Read-Red-and-White | read-red-and-white

- Summary: Collaborative full stack application which allows users to write, share, and pair book reviews with a perfect wine selection.
- Role: Back-end designer
- Tools: node.js, npm (node package manager), bcrypt 5.1.1, connect-session-sequelize 7.1.7, dotenv 16.4.5, express.js 4.18.3, express-handlebars 7.1.2, express-session 1.18.0, handlebars 4.7.8, MySQL2 3.9.2, nodemon 3.1.0, Sequelize 6.37.1, Insomnia Core 8.6.1, tailwindcss 3.4.1, Google APIs (application programming interface)

Daily Thoughts API | /Tyler-KD/daily-thoughts-api

- Summary: API for social network web application where users can share their thoughts, react to friends' thoughts, and create a friend list.
- Role: Sole Author
- Tools: Node.js, npm (node package manager), express.js 4.19.2, express-handlebars 7.1.2, nodemon 3.1.0, NoSQL, MongoDB, Mongoose 8.2.3, Insomnia Core 8.6.1

PWA Just Another Text Editor | /Tyler-KD/PWA-Just-Another-Text-Editor | pwa-JATE

- Summary: a text editor that runs in the browser. This project was built to understand and practice Progressive Web Apps
- Role: Sole Author
- Tools: Node.js, npm (node package manager), express.js 4.17.1, webpack 5.51.1, webpack-cli 4.8.0, webpack-dev-server 4.0.0, webpack-pwa-manifest 4.3.0, workbox-cacheable-response 7.0.0, workbox-expiration 7.0.0, workbox-precaching 7.0.0, workbox-webpack-plugin 6.2.4, code-mirror-themes 1.0.0, idb 6.1.2

Experience

Undergraduate Tutor November 2020 - Present

Rice University Houston, Tx

Tutoring and mentoring undergraduate students in Organic Chemistry I and II during Spring, Summer, and Fall Semesters

Freelance Photographer December 2015 - November 2020

Self Employed West Palm Beach, Tx

Portrait, Real Estate, Wedding, and Concert Photography for over 30 clients throughout Palm Beach County and South Florida

Assembly and System Test Technician January 2015 - October 2019

Jenoptik Optical Systems Jupiter, Fl

Assembled kitted parts into complete systems using Opto - Alignment Technologies alignment stations. Tested complete optical systems using laser interferometer and compensator machines. Quality Control Testing of motherboards with firmware updating

Key Accomplishments:

- Trained over 20 employees for research assistant, assembly technician, and system test technician positions within chemical and optical laboratories
- Streamlined the workflow of optical laboratory projects to assemble, test, and ship over 2000 units of bio tech and entertainment units to various customers
- Photographed portraits, real estate, weddings, and concerts for over 30 clients while emphasizing client relations
- Post-processed over 4000 raw images running Adobe Lightroom, Adobe Photoshop, Adobe Express Irfan View, FastStone Image Viewer, and VSCO applications
- Tutored and mentored over 100 undergraduate students within the Sciences while building and strengthening logic-based relationships and growth mindsets

Education

Certificate, Full Stack Web Development - Rice University Houston, Tx

Bachelor of Science, Biology - Florida State University Tallahassee, Fl