

Tyler Knapp

Full Stack Web Developer

+1561 801-5556 T | [tyler-knapp-portfolio](https://tyler-knapp-portfolio.netlify.app) P

tyler.kd.knapp@gmail.com E | [Tyler-KD](https://github.com/Tyler-KD) GH

linkedin.com/tyler.knapp Li | Houston, TX

Education

RICE UNIVERSITY

2023 - 2024

Certificate, Full Stack Web Development. Relevant modules include JavaScript, CSS, HTML, Node.js, SQL, MongoDB, React, and GraphQL.

FLORIDA STATE UNIVERSITY

2007 - 2011

Bachelor of Science, Biology.

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, GraphQL, JSON Web Token (JWT), tailwindcss

Projects

devHub

GitHub: [/Tyler-KD/MyTypeOfDev](https://github.com/Tyler-KD/MyTypeOfDev) | **Demo:** [mytypeofdev](https://mytypeofdev.netlify.app)

- **Summary:** Collaborative MERN stack application serving as a centralized hub for developers to showcase skills, share projects, and engage with enthusiasts.
- **Role:** Front-end Designer (Non-styling)
- **Tools:** React, @apollo/server, @apollo/client, Express, JSONWebToken, GraphQL, Mongoose, PostCSS, TailwindCSS, Vite

MERN on Book Search Engine

GitHub: [/Tyler-KD/MERN-on-Book-Search-Engine](https://github.com/Tyler-KD/MERN-on-Book-Search-Engine) | **Demo:** [book-search-engine](https://book-search-engine.netlify.app)

- **Summary:** Functional Google Books API search engine built with GraphQL API and Apollo Server.
- **Role:** Sole Author
- **Tools:** React, @apollo/server, @apollo/client, Express, JSONWebToken, GraphQL, Mongoose, Vite

PWA Just Another Text Editor

GitHub: [/Tyler-KD/PWA-Just-Another-Text-Editor](https://github.com/Tyler-KD/PWA-Just-Another-Text-Editor) | **Demo:** [pwa-JATE](https://pwa-jate.netlify.app)

- **Summary:** Browser-based text editor built to meet PWA criteria.
- **Role:** Sole Author
- **Tools:** Node.js, npm, Express.js, Webpack, Webpack-CLI, Webpack-Dev-Server, Webpack-PWA-Manifest, Workbox plugins

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Work Experience

UNDERGRADUATE TUTOR

Rice University | Houston, TX

November 2020 - Present

- Tutored undergraduate students in Organic Chemistry I and II during Spring, Summer, and Fall Semesters.
- Midterms and Finals material reviews for groups of over 10 students.
- Mentored and assisted students on future courses and career paths within the Sciences.

FREELANCE PHOTOGRAPHER

Self Employed | West Palm Beach, TX

December 2015 - November 2020

- Provided portrait, real estate, wedding, and concert photography services for over 30 clients throughout Palm Beach County and South Florida.
- Emphasized client - photographer relations to obtain desired results.
- Set up on location shoots using backdrops, light diffusers, flash devices, and props.

ASSEMBLY AND SYSTEM TEST TECHNICIAN

Jenoptik Optical Systems | Jupiter, FL

January 2015 - October 2019

- 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 various technical positions.
- Streamlined workflows to assemble, test, and ship over 2,000 units of biotech and entertainment systems.
- Post-processed over 4,000 raw images using Adobe programs and other image processing tools.
- Tutored and mentored over 100 students in sciences, fostering logic-based relationships and growth mindsets.

Additional Information

Avid contributor to multiple open source projects. Coding contributions include writing tests. Non-coding contributions include opening issues for graphic design, testing, bug reports, and documentation.