

# 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: Text editor that runs in the browser built to understand and practice Progressive Web Apps (PWA) criteria.
- 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