TYLER HIPKE

full-stack web dev with lots of love for tinkering, perfectionism, and everything creative

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technical skills	fav tools
react.js · javascript/es5/es6	git
html5 · css3 · java	*nix
express.js · node.js	bash/zsh
mongodb · mysql	photoshop

experience

front-end developer, newgateway solutions 2019 — present
- Design and developed a sold WordPress theme, written template-free, with HTML5, CSS, PHP and ES5.
- Write UIs that are mobile-responsive by implementing scalable-width columns from Bootstrap.
- Decrease UX lag by replacing plugins with custom code and implementing server-rendered static page caching.
- Maintain Chula Vista Library's WordPress websites by debugging, updating the codebase, and modifying content.
- Maintain our internal Employee and Client management system by checking code merges at our GitHub.
- Took over 1 front-end development project in place of a formal employee.

supplemental instructor, san diego community college district 2017 — 2019
- Run experiments in student laboratories for 6 General Biology classes across 5 semesters.
- Help and tutor for the duration of each semester by reviewing and simplifying book and lecture material.
- Host closed-session study groups and office hours every week for help with learning, studying, and collaboration.

projects
links in portfolio @ tylerhipke.com

vybe mern web app
- Create impressive, dynamic, immersive visualizers for your next event, for free.
- Vybe is like a personal light show with live Twitter integration, lyrics, and HTML5 Canvas visuals.
- Music files are analyzed in real-time to provide a latency-free, dynamic experience.
- MERN stack web app uses Twitter API authentication, server-side rendering, and scraping via NPM's Cheerio.
- A fully-encrypted Spotify React Component has been finished and is awaiting implementation.

cyp full-stack web app
- Doctors can make mistakes. Use our web app to find potentially deadly interactions amongst your prescriptions.
- User's information loads into personal profiles via Passport and mySQL to privately encrypt and store info.
- CYP takes any commercialized prescription name and finds its unique RXCUI Serial to remove discrepancies amongst countless brand names and generics.
- Features custom RESTful APIs on servers built using express.js with server-side rendering via handlebars.js.

pre-game client-side website
- Help people connect to locals with new bars, centered around a special event.
- Use Yelp and Google Maps APIs with AJAX calls to find bars and display their locations.
- Bootstrap columns are used to improve mobile responsiveness.

education

university of california, san diego, 2019
full-stack web and javascript development, cert.

san diego city college, 2017
math and engineering, a.a.

languages

english
native

spanish
conversational