

# William Turner

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**Profile** JavaScript programmer, web application developer & technical trainer.

**Skills** Web/application development, backend development with Node.js, HTML5, JavaScript, React, SQL, LAMP, Git/Github, JQuery, Firebase, presentation skills, clear communicator.

- Experience**
- Helpknow.com** **2012-present**  
Personal website and [portfolio](#).
- Workflowmagic.com (in development)** **2019-present**  
Personal project to help workers with multiple part-time jobs organize their gigs. The technical stack is Create-React-App, Node.js and uses Firebase and IndexedDB for data storage. Features include a wiki-style form to let users document tasks, an interactive calendar, and an import/export of data via JSON documents. I am responsible for all development, UI and design. The idea behind the project is to make workflow management as simple and friction-less as using Google search.
- Zaaas** **2018-2019**  
Start-up company building a large-scale React Firebase application to help freelancers be more productive. Application is currently being developed and is not available to the public. My contributions as a developer included coding the authorization/authentication as well as architectural consulting, bug fixes, cloud service integration. I also coded HTML/CSS pages to specification. Tech stack is Create-React-App, Node.js, Google Firebase and Material UI. As a developer, I worked directly with the technical lead on the project.
- Riffaxelerator** **2018-2019**  
This is a React/Redux application that helps users learn to play the guitar. I was contracted to add a new feature to a preexisting application that lets users record their guitar performances and play them back. Technologies that I used include the Web Audio API, PS5.js library and React/Redux.
- JavaScriptForSoundArtists.com** **2017**  
Developed a website to accommodate the book "JavaScript for Sound Artists. Learn to Code with the Web Audio API". This is a static website that uses the Bootstrap CSS framework.
- Wordgame** **2015**  
Contracted to build a prototype for a mobile wordgame with unique mechanics. Tasks included translating the founders vision to code and a user interface. The UI was built with JQuery/Jquery UI and the Bootstrap CSS framework. The UI is responsive to touch and mobile friendly. The front-end programming was done with JavaScript using the module pattern for organization. I also wrote Node.js scripts to parse dictionary words based on the games criteria.
- Custex** **2012**  
Front end development. JavaScript web programming and configuring, JQuery plug-in dissection and customization (example: Masonry/Infinite scroll). I coded HTML/CSS web page assignments to specification using the Zurb Foundation framework. Tech stack used for this app was the Symphony PHP framework and MySQL.
- WikiAudio** **2008-2016**  
Implemented and developed (arguably) one of the largest and most unique online audio technology references available. I sold the domain in 2018. The project stack was Mediawiki, MySQL and PHP. Tasks included all technical administration, CSS/HTML and content creation (I wrote hundreds of tutorials on audio software/hardware and contributed thousands of pages of content).

## Teaching / Instruction

- Openclassrooms** **2018-present**  
Instruction of a diverse roster of international students who are learning to code.

**Bloc****2017-2018**

Taught various aspects of front end development with a focus on building React.js applications.

**Focal Press/CRC Press****2015-2017**

I wrote the book "JavaScript for Sound Artists - Learn to Code with the Web Audio API".

My book teaches sound artists how to program using the JavaScript language and the Web Audio API.

**Pluralsight****2015**

I produced a 90 minute introductory video course on the basics of the Web Audio API.

**Thinkful****2014-2017**

Front/back end JavaScript programming instruction, group sessions and curriculum development.

**Expression College for Digital Art****2002-2013**

Instructed students in sound technology. I have assisted on thousands of student projects. Areas of instruction include MIDI (complete specification), synthesis, digital audio theory and application.

**Education**

Although I have a BS, I consider myself to be continuously self-educating

**Expression College For Digital Arts****2002**

Bachelors of Applied Science in Sound Arts