DOUGLAS LERNER Web Developer

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WEB DEVELOPMENT SKILLS

Languages: ES6+ JavaScript, CSS3, SCSS, HTML5, Python, Elm
Frameworks and Tools: React, Redux, Vue, Node, Express, jQuery, Git, Webpack, Gulp, Jest

EXPERIENCE

SuperDAO, Co-Lead Front-End Developer for KittieFight, March 2019 - August 2019

- Designed and built front-end architecture for unique CryptoKitties Etherium Dapp
- Implemented user interfaces, menus, and game flow logic using React + Redux
- Integrated Phaser 3 game engine to sync blockchain data with Spine animations + sounds

Pennington Publishing, Browser Extension Developer, April 2019 – August 2019

- Sole developer of e-Comments Chrome extension that has gained 700+ users per month
- Automates essay feedback using comment banks, video/audio comments, and speech-to-text
- Utilizes Vue, Vuex, Web Speech API and Google Drive API

iASO Records, Mobile Developer, June 2019 – Present

- Developed interactive mobile drum app using Tone.js Vue, and Cordova
- Users lead a virtual percussion ensemble by mixing-and-matching rhythms for a variety of instruments

Freelance Web Developer, 2017 - Present

- Awarded Top Freelancer on Upwork, with 100% job success rating
- Built interactive animated sales dashboard for medical supply company using Chart.js
- Implemented responsive company homepage based on Adobe XD designs
- Automated communication with clients for multiple organizations by utilizing
  Google Sheets API to dynamically generate email invoices and notifications
- Improved UX for multiple Wordpress and Wix based businesses with custom form validation scripts

University of Geosciences Instructor, Sept. 2016 - July 2017, Wuhan, China

- Taught European cultural history and conversational English to undergraduates
- Designed custom bilingual curriculum using primary historical sources and multimedia

EDUCATION

Recurse Center, November 2018 - February 2019

Intensive self-directed programming retreat where I worked on a variety of group and individual projects:

- **LeetCode Pairing Chrome Extension** - Enables coders to pair program remotely on LeetCode
  algorithm challenges in the browser, utilizing text and video chat. Node, WebSockets and WebRTC
- **Cyberpunks Rock Climbing** - Integrated P2 physics engine, web sockets, Node Express server,
  and level editor into a multiplayer, cooperative, physics-based rock climbing game
- **Harpsichord Hero** - A digital harpsichord with a built-in knowledge of harmony and musical style,
  which allows users to effortlessly improvise complex melodies and chord progressions
- **Neuro-Evolution Cocktail Party** - Uses a JavaScript implementation of a neuro-evolutionary
  algorithm to evolve neural networks that simulate human social interactions

Stony Brook University, New York - B.Sc. Biochemistry

- Researched capacity of marine cyanobacteria to absorb atmospheric CO2 at aquatic ecosystem ecology lab