

Timothy Hsu

Software Developer

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<https://github.com/MeatSim>

SKILLS

- | | | | | | |
|--------------|-------|----------|-------|----------------|-------|
| • React | ★★★★☆ | • CSS | ★★★★☆ | • React Router | ★★★★☆ |
| • JavaScript | ★★★★☆ | • Python | ★★★★☆ | • Node.js | ★★★★☆ |
| • HTML | ★★★★☆ | • Redux | ★★★★☆ | • Git | ★★★★☆ |

EXPERIENCE

React

- Used the Spotify API in an app that allows a user to search for tracks, create a playlist, and add it to the user's profile
- Implemented a tic-tac-toe game that displays the next player, displays the winner, and allows going back to previous moves
 - Added a feature to display "Tie game" if there is a draw
 - Added a feature to highlight the three squares that caused a win
- Used React Router to display profiles based on search results

JavaScript

- Implemented an interactive Node.js terminal game that randomizes a field full of holes for the player to navigate through
- Coded a JavaScript class that includes methods to encrypt and decrypt messages using shift cipher
- Coded a factory function to create objects simulating organisms with methods to mutate, compare, evaluate, and mirror DNA strands

HTML/CSS

- Created responsive club website with navigation bar, fonts, and images that respond to screen size
- Used flexbox to create company website with navigation bar, products section, and employee section that automatically change layout as the page shrinks

Python

- Used Tkinter with MVC pattern to implement Conway's Game of Life with random, glider gun, and draw options; added feature to make cells on the edge of the board wrap around the other side
- Implemented a word game where the player tries to form words from a hand of randomly dealt letters and is scored based on Scrabble letter values
- Implemented a hangman game where the player tries to guess all the letters of a random word without too many wrong guesses

CERTIFICATIONS

- Codecademy Learn React Router Course
- Codecademy Learn Intermediate JavaScript Course
- Codecademy Building Interactive JavaScript Websites Course

SERVICE

- Answer questions in Codecademy Community Discord server's #full-stack-engineer channel
- Contributed to open-source projects:
 - Redux
 - Visual Studio Code Documentation
 - Destiny Item Manager