

# Tamara Snyder

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## EXPERIENCE

**Software Developer (Volunteer)**

**Jan 2021-Present**

**Hack for LA (JavaScript, HTML, SCSS, GitHub Pages, Jekyll, Docker, Google Apps Script, GitHub Actions)**

- Improve the Hack for LA website as part of an interdisciplinary team of project managers, software engineers, and UI/UX designers and researchers
  - As part of the leadership team, onboard new developers, write code reviews, and merge pull requests into main GitHub repository
  - Assessed security of website from Liquid injections and XSS attacks and created a plan of action to remedy vulnerabilities
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## PROJECTS

**Weather App (Swift, UIKit, OpenWeatherMap API)**

**Feb 2022**

- Employs URLSession networking and JSON decoding to retrieve data from the OpenWeatherMap API
- Fetches user location using Apple's CoreLocation framework; the user can also search for a city or zip code
- Displays temperature, location, and relevant SF Symbol to depict the current weather condition
- Loads and updates a table view with the forecast in three-hour intervals for the next five days

**Aeropress Timer (Swift, UIKit)**

**Feb 2022**

- Sets two timers to be played back to back — progress in the process is indicated by a progress bar
- Plays sounds via AVMedia player to demarcate the next step in the brewing process
- Allows for pausing, resuming, and restarting the timer

**Command Line Games (Ruby)**

**Jul 2021**

- **Mastermind**
    - A colorful guessing game in which the player has 12 chances to guess a secret sequence of four colors
  - **Hangman**
    - Reads and sanitizes a long list of words and chooses a random word (no proper nouns) of between 5-12 characters in length
    - Prompts the player to guess letters, providing visual feedback on each guess
    - Allows the user to save their game to a YAML file and reload it later
  - **Tic-Tac-Toe**
    - Draws a 3x3 grid on the command line and updates the grid as the player takes turns against the computer
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## SKILLS

**Programming Languages:** Swift, JavaScript, Ruby, Python

**Technologies:** UIKit, SwiftUI, React, HTML, CSS, SCSS, Bootstrap, Liquid, Jekyll, Svelte, JSON

**DevOps:** Git, GitHub, GitHub Actions, Docker, Visual Studio Code, Xcode

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## EDUCATION

**Yale University (New Haven, CT)**

**May 2021**

Master of Music in bassoon performance (M.M.)

- **CS coursework:** Harvard's CS50, Intro to Data Science (Python and statistics), Intro to Information Systems (Python, SQL, and shell scripting), Mathematical Tools for Computer Science (discrete math)

**Royal College of Music (London, UK)**

**Jul 2019**

Bachelor of Music in bassoon performance (BMus)