

# MELISSA SAWYER GRAIR

WEB DEVELOPER

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ADDRESS: Boston, Massachusetts

## PROJECTS

### **CodeSquad The Game**

[Repo](#) | [Website](#) | [Demo](#)

Full-stack web app for CodeSquad graduates to gamify job-search process. Utilized Node.js with Express, MongoDB with Mongoose, & GitHub authentication via OAuth 2.0. Responsive front-end built with EJS templating. Organized within MVC architecture model.

### **Dorchester Mutual Aid**

[Repo](#) | [Website](#)

Full-stack web app for local mutual aid network. Built with Node.js, Express, EJS templating, responsive CSS front-end design, MongoDB & Atlas back end, & Passport user authentication.

### **CodeSquad Comics**

[Repo](#) | [Website](#)

Full-stack teaching project. CodeSquad bootcamp students build this app incrementally through homework assignments over 6 months. Built with team of teaching fellows in tandem with creating instructions, course materials, & assignments that align with curriculum map & necessary pre-requisite skills. Utilized git branches to track each homework iteration. Incorporated Node.js, Express, MongoDB, Mongoose, Passport, password encryption, & Google OAuth.

## WORK EXPERIENCE

### **Freelance Web Developer**

self-employed | *June 2020 - present*

Work with clients to design & develop websites to meet individual & organizational needs. Write & copyedit content. Cultivate visual content libraries & integrate media in alignment with communications strategies & goals.

Examples: [newlynn.org](http://newlynn.org) | [marvenforlynn.com](http://marvenforlynn.com) | [CodeSquad The Game](#) | [CodeSquad Workshop Directions](#) | [CodeSquad.org For Students page](#)

### **Full-Stack Web Development Teaching Fellow**

CodeSquad | *October 2020 - present*

Design curriculum content & teach adult learners full-stack web development including HTML, CSS, JavaScript, Responsive Design, Git, Node.js, Express, EJS, MongoDB, Mongoose, Authentication, & more. Mentor 4 students per cohort & provide tutoring, coaching, & guidance on creating personal, full-stack app.

### **Program Coordinator**

CodeSquad | *June 2021 - present*

Develop, implement, & monitor strategic plans to reach organizational goals.

### **High School English Teacher**

Boston Public Schools | *August 2018 - September 2020*

Cleveland Metropolitan School District | *August 2014 - June 2018*

## STACK

[MongoDB](#)

[Express](#)

[EJS](#)

[Node.js](#)

## LANGUAGES

HTML

CSS

JavaScript

PHP

## TECHNOLOGIES & FRAMEWORKS

Git

Mongoose

Atlas

RESTful APIs

Passport

Encryption

OAuth 2.0

Agile Development

Bootstrap

Heroku

WordPress

## EDUCATION

### **Full-Stack Coding Certificate**

CodeSquad Bootcamp

*June 2020*

### **Master of Arts in Teaching**

Kent State University

*May 2014*

### **Bachelor of Science in Education**

Kent State University

*December 2012*

### **Manufacturing Engineering Certificate**

Lorain County Joint Vocational School

*June 2008*