

## Lauren Puglise

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### OBJECTIVE

Seeking an internship or co-op experience as a web developer using skills in JavaScript, CSS, HTML, available mid-May 2021 to December 2022.

### EDUCATION

**Rochester Institute of Technology (RIT)**, Rochester, NY

*Bachelor of Science, Game Design & Development*

Related Courses: Rich Media Web Development(JS, HTML, CSS, APIs), Intro to Web Technology (JS, HTML, CSS, APIs), Interface Design (Accessibility, Prototyping)

### SKILLS

Languages: HTML, CSS, JavaScript ES6/ES5, PHP, SQL

APIs and Frameworks: Vue.js, Firebase, PixiJS, Canvas, WebAudio, React, Express

Other: Node.js, Git, CircleCI

### PROJECTS

#### **Homework Todo List**

Vue.JS, Firebase, DnD 5e API, JS, HTML, CSS

*Solo project*

*3 weeks*

- Used Vue.js to store and easily update homework items
- Integrated Firebase Realtime Database and Firebase Authentication to allow users to log in securely using their Google account and save their to-do list.
- Motivated users by equating the completion of a homework with “attacking” a DnD 5e Monster, and rewarding the users with the monster’s drops when it dies.

#### **Plant World Generator**

Canvas API, JS, HTML, CSS

*Solo project*

*2 weeks*

- Researched and implemented phyllotaxis equations to generate flowers and trees in a Canvas API canvas.
- Allowed users to directly adjust phyllotaxis variables with HTML input tags to create their own plants.
- Generated a dynamic background of the user’s generated flowers on separate canvas.

#### **Alien Cereal**

PixiJS, JS, HTML, CSS,

*Solo project*

*2 weeks*

- Designed unique game mechanics for this physics puzzle game.
- Used PixiJS to display the game.
- Connected Matter.JS bodies to custom PixiJS Sprite classes in order to control the 2D physics of the game objects.

#### **Witchy Audio**

WebAudio API, JS, HTML, CSS

*Solo project*

*3 weeks*

- Analyzed music using WebAudio to create a spooky yet calm visualizer.
- Allowed users to apply different audio effects to the music using WebAudio.
- Wrote visual filtering algorithms such as color filtering, emboss, and inversion, and allowed users to apply those filters to the visualizer.

#### **Disney Tsum Tsum Searcher**

Vue.JS, JS, HTML, CSS

*Solo project*

*3 weeks*

- Connected to the MediaWiki API in order to get and display every Tsum Tsum on the Disney Tsum Tsum Fandom Wiki.
- Used Vue.js to let users quickly filter Tsuns by multiple mission tags to let them complete missions at the same time.
- Designed the UI to mimic the design of the Disney Tsum Tsum App.