

# Cindy Gomez



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## Projects

### **Remindur** | JavaScript, React, Redux, Rails, PostgreSQL

*A fullstack, single-page task-management app, inspired by Remember The Milk*

- Implemented 4 separate (3 backend and 1 frontend) authentication checks to ensure database security, ensure client login information is correct and compare session cookie when logged in
- AJAX requests constantly updated React components and jBuilder curated data using Ruby to then construct JSON views
- Kept code DRY through use of partials and higher-order components

### **Fractal Tree Evolution** | JavaScript, CSS3, HTML5, Canvas

*Visualization of different methods to create a Fractal Tree*

- Used DOM manipulation for an interactive visualization of the different approaches and limits to create a binary fractal tree
- Movement of leaves achieved by modeling physics of free falling objects

### **Frame** | Ruby

*A MVC framework inspired by Ruby on Rails*

- Provides default structures for web application development
- Examines type of web request and any parameters given by a browser, loads and/or updates information necessary, then outputs an HTML response for the browser
- Stores session data on server side using cookies so that client information persists through multiple requests

## Skills

Python

Ruby on Rails

JavaScript

React

SQL

HTML5

Ruby

RSpec

jQuery

Redux

Git

CSS3

## Education

### **AppAcademy** - New York, NY

March - June 2018

1000-hour immersive full-stack web development intensive with <3% acceptance rate

### **Hofstra University** - Hempstead, NY

2013 - 2017

B.S. Mathematics and Physics · GPA: 3.5

Relevant Coursework : Fundamentals in Computer Science, Linear Algebra, Statistics

## Work History

### **Sylvan Learning Center Teacher**

Rego Park, NY - September 2017 - Present

Expanded course offerings at company, resulting in more satisfied clients

Worked with approximately 3 students at a time

### **Physics Laboratory Assistant**

Hempstead, NY - September - May 2015

Set up experimental equipment and assured functionality for future student experiments, completed repairs when necessary



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