Grant Peterson

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EDUCATION

RENSSELAER POLYTECHNIC INSTITUTE

Bachelor of Science
Graduation: May 2022 | Troy, NY
Dual Major: Computer Science •Information Technology and Web Science
Concentrations: Web Technologies •AI and Data
Cum. GPA: 3.56 / 4.0

DETROIT COUNTRY DAY

Grad. May 2018| Detroit, MI

SKILLS

TECHNICAL SKILLS

Proficient with:
C/C++ • JavaScript(ES6)•AngularJS
HTML5 •CSS3 •PHP •React •SQL
Node.js •REST APIs •MongoDB •Git

SOFT SKILLS

Strong:
Public Speaking •Communication
Teamwork•Ideation •Problem Solving

WORK EXPERIENCE

GALE CENGAGE LEARNING

Web Accessibility Intern
Summer 2018 | Farmington Hills, MI

- Discovered and developed solutions for WCAG 2.0 non-compliances in Cengage databases using aXe and NVDA
- Created written reports on accessibility failures and potential solutions

USERTESTING

User Tester
Fall 2018 - Fall 2019 | Troy, NY

- Analyzed Client's UI's from the perspective of a potential user
- Delivered oral walkthrough of products, followed by critiques and suggestions on how to improve the UX

TECHNICAL PROJECTS

READSY | Github | Website

Spring 2020

- Built MEAN stack application for fostering reading in Immaculata Middle School Special Education classes, allowing users to upload their books, search for new books, and track the books they've read
- Includes admin view for teachers to vet and approve books and reviews

JUKEBOX | Github

Spring 2020

- Built MEAN stack application that uses multiple REST APIs to build custom playlists based on external factors such as weather and the stock market combined with 12 audio features included in Spotify's API, such as Tempo, Valence, etc...
- Allows users to view and listen to all playlists in their Spotify library, and includes data visualizations for their personalization statistics

PATHFINDING VISUALIZER | Github | Website

Spring 2020

- Built React application to visualize Dijkstra's and A* path-finding algorithms
- Implemented recursive division maze generation algorithm and randomized Prim's maze generation algorithm

SORTING VISUALIZER | Github | Website

Spring 2020

- Built React application to visualize various sorting algorithms on variable size arrays
- Implemented bubble sort, selection sort, insertion sort, quick sort, heap sort, and merge sort

TFT TRACKER | Github

Spring 2020

- Built AngularJS application which uses data from Riot's REST API to display information and statistics for Teamfight Tactics
- Includes lazy-loading leader-board for all ranks and a detailed match history via search bar

OTHER INTERESTS

MEDITERRANEAN CLUB

Spring 2020- Present

- Help plan meetings and organize fundraisers for the celebration of Mediterranean culture

BLENDER

2018 - Present

- Creating 3D renders and animations of everyday objects