



Arek Dec

Frontend Developer

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About me

Frontend Developer with a robust mix of technical ability and creativity passionate about creating UI that captivate users and stays current with new design trends.

Experience/Projects

ReTolkienddit · React App

- I developed the reTolkienddit web application using React, React-Router and Redux. The app showcases the most popular posts from Reddit related to Tolkien and LOTR.
- To effectively integrate Redux into the application, I focused on key concepts such as state, props, and actions. I gained practical experience setting up the Redux store, creating reducers, and implementing selectors to manage state and data flow throughout the application.
- I also used my knowledge of APIs to interact with Reddit's API. I made API calls to retrieve the necessary data, parsed JSON responses, and handled potential errors that could arise.

Your sweet ASF Diary · Sandbox for various ideas in CSS, HTML, and JS

- The most ambitious box is the 'Hangman Crystal Edition', which puts a magical Minecraft aesthetic twist on the popular game. It's mainly though as exercise to polish JavaScript skills with DOM manipulation.
- I also gained knowledge and skills in creating an aesthetically pleasing and balanced layout using HTML and CSS, as well as implementing various styling techniques such as hover effects, transitions, and animations.

Scale Chord Finder · Python program

- Tool designed to quickly find a chord in minor and major scales, as well as determine the function of a chord in a given scale by specifying its number.
- It is built on tree and circular list data structures, as well as the BFS tree searching algorithm, allowing for fast results.

CPU Simulator · Python program

- Python-written processor design that consists of CPU, Memory, and ISA protocol. It includes three types of memory - Main Memory, Cache, and Register - with different access speeds, as well as Cache memory with LRU replacement and write-back policy.
- The simulation features a fetch, decode, execute cycle and reads data and command lists from an external .txt file.

Courses

Frontend Engineer · Codecademy · 2022-2023

- Proficiency in HTML, CSS, and JavaScript, the core front-end web development technologies.
- Experience with React and the ability to create reusable components, manage state and props, and build complex and interactive web applications.
- Understanding of web development best practices, including accessibility, responsive design, and performance optimization, and the ability to write clean, maintainable, and scalable code that follows industry standards.

Computer Science · Codecademy · 2021-2022

- Proficiency in programming fundamentals, including data types, variables, control structures, and functions using Python.
- Experience with object-oriented programming concepts, such as classes, objects, and inheritance, and the ability to design and develop applications using these concepts.
- Knowledge of data structures and algorithms, including linked lists, queues, stacks, hash maps, trees, and sorting and searching algorithms.

Skills

Programming Languages

HTML
JavaScript
CSS
PostCSS
Python

Libraries & Frameworks

Node
React
Redux
Astro
Vite

Tools & Platforms

Git
GitHub
Figma
Adobe Photoshop
Netlify
BEM
Responsive Web Design
SE Optimization

Languages

Polish · Native
English · B2+

Education

Master's in Performance Studies

Jagiellonian University
2018-2021

Bachelor's in Philosophy

Jagiellonian University
2013-2016

Interests

creating music, playing piano, sci-fi novels, taking care about my plants