



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

Minas Mongrel · Blog project

- Minas Mongrel is a blog realized using the Astro and React framework. It features dynamic search functionality, supports tags, enables dynamic sorting and filtering of the content it contains.
- The post view is designed to aesthetically interpret Markdown syntax. It includes a front matter that highlights important information, and content 'markdown' section. Related posts functionality is integrated, suggesting relevant articles to keep readers engaged.
- The page incorporates graphical elements that adapt their size dynamically based on the page and window size. The structure of the page utilizes a css grid, facilitating the creation of complex post layouts and the rendering of tabular information.

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.

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
TypeScript
CSS
PostCSS
Python

Libraries & Frameworks

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

Intrests

creating music, playing piano, sci-fi novels