Jose David Amaya Restrepo

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Skills

- HTML | CSS | JavaScript | TypeScript | MongoDB | MySQL | Node.js | Express | React | TailwindCSS

- Java | JavaFX | JUnit | Unit Testing | OOP | Linux Systems | Docker | Git

- C++ | Frontend | Backend | Full-Stack | Spanish, English

Experience

Student	University	02/2022 - Current

Education

Universidad del Quindío	**02/2022 - Current**

- Majoring in System and Computer Engineering (Student)

- Bilingual high school degree at Policarpa School

Projects

- **Competitive Programming Solutions:** Developed a repository organizing solutions for competitive programming problems from tournaments and Leetcode. Link to GitHub **(11/2024 - Present)**

- **Joki-homepage:** Developed a personal website showcasing my information, links, projects, and more, built with HTML, CSS, JavaScript, React, and Tailwind CSS. Link to GitHub **(08/2024)**

- **APOD-Project:** Developed a web application to display NASA's Astronomy Picture of the Day using HTML, CSS, JavaScript, and React. The application fetches and displays the daily image with its title and description from the APOD API. Link to GitHub **(07/2024)**

- **Jokify:** Collaborated on a music player application with YouTube API integration (Java, JavaFX, JUnit). Administrators could manage artists, songs and view app statistics, while users could listen to songs and add them to favorites. Link to GitHub **(05/2024)**

- **PIG JS:** Enhanced the PIG Python program with a better interface and additional features using HTML, CSS, JavaScript, and React. The updated version includes functionalities for finding the shortest paths between nodes and analyzing user-constructed trees. Link to GitHub **(05/2024)**

- **PIG Python:** Developed an initial version of a graph interpretation program allowing users to draw and analyze graphs, providing node information (neighbors, degree) and graph metrics (adjacency matrix, incidence matrix) using Python. Link to GitHub **(05/2024)**

- **Hermes Travel Agency:** Developed a travel agency application with Java and JavaFX, featuring user and admin functionalities. Administrators can add destinations and travel packages, and view statistics, while users can book packages, view and rate destinations. Link to GitHub **(11/2023)**

Others

- **Certificate in Basic Programming of Python and Java:** Awarded by the University of Quindío. Link to certificate **(10/2022)**
- **Competitive programming team member:** Joined the competitive programming team at University of Quindío, leveraging skills in C++, data structures and algorithms to solve complex problems and participate in programming contests. **(11/2024 - Present)**