Benjamin Allison

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SKILLS

Programming languages: Python, JavaScript, Java
Frontend: React, HTML, CSS, Tailwind CSS, Bootstrap
Backend: Node.js, Express.js, Flask
Database: PostgreSQL, MySQL

PROJECTS

Steam Genre Distribution Site
Lead Developer
11/24-Present
Technologies: HTML, CSS, JavaScript, Python, Flask, Vercel, PostgreSQL
Live Demo

Overview
Developed a web app that analyzes a user's Steam library to provide insights into their game genre distribution, spending habits, and playtime allocation. Calculates genre diversity using Simpson's Diversity Index to help users understand their purchasing patterns.

Key Features

- Retrieves a user's Steam library information via Steam's API
- Calculates and visualizes genre distribution as a chart
- Calculates Simpson's diversity index for genre variety assessment

Planned features

- Implementing a dedicated database to avoid Steam API rate limits
- Adding genre-based spending and playtime analytics
- Introducing a weighted diversity index combining multiple metrics
- Implementing a diversity leaderboard
- Developing a recommendation system based on diversity trends

EDUCATION

Associate of Science in Computer Science, University of the People