Derick Sayavong

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Education

University of Colorado, Boulder, CO   **Expected May 2025**

- Major: Bachelor of Arts in Computer Science
- Minor: Business (Marketing and Finance)
- Cumulative GPA: 3.756

Experience

IIA Healthcare Data Analyst Intern   **January 2024 – Present**

- Analyzed and presented trends, opportunities, and challenges in post-acquisition market expansion within the healthcare industry using Python and Figma.
- Collaborated with cross-functional teams to identify strategies that would help facilitate the hiring process, job retention, and career development for in-demand occupations.
- Built upon a flowchart detailing career paths for different occupations to see potential patterns for low supply roles.

Projects

Data Analysis of Covid-19 | Python

- Analyzed Covid-19 dataset using Pandas, NumPy, Seaborn, and Matplotlib deriving insights about the relation between survival, and vaccination rates in the United States.
- Generated visualizations for data analysis using Tableau, and applied machine learning via TensorFlow.

Weather App | Python

- Created a weather app with weather data and user location extracted from the OpenWeather API.
- Applied different animations depending on current weather and future forecasts.
- Designed the app in a way where the layout is responsive to window size and changes.

Blockchain Simulation | C++

- Simulated concept of a blockchain in a simple manner under a local system environment.
- Utilized linked lists to traverse, mine, and complete transactions within the chain.
- The validity of the blockchain was checked using a SHA key where the current block's key is equal to the previous one, and so forth.

Skills

- **Back-end:** Python, C++, C, Scala, NodeJS
- **Front-end**: HTML, CSS, TypeScript/JavaScript
- **Other:** SQL, PostgreSQL**,** MongoDB, Linux/Unix, Docker, Git, Excel, Tableau