Rasmi Lamichhane | Résumé

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Education

The University of Colorado, Boulder
Bachelor of Computer Science　　　　　　　　　　　　　　　　　　　　　2012-current

Experience

University of Colorado Boulder Libraries　　　　　　　　　　　　　　Boulder, CO
Student Assistant Digital Lab　　　　　　　　　　　　　　　　　　Fall 2015-Present
Digitaling different kind of archival material and processing it.

University of Colorado Boulder Libraries　　　　　　　　　　　　　　Boulder, CO
Student Assistant LIT　　　　　　　　　　　　　　　　　　　　　　Summer 2015
Web help desk, Troubleshooting software and hardware problems, image computer, printers problems and etc.

Computer Skills

Language: C/C++, Python, Java, HTML/CSS, Mathematica, SQL, Bash Shell Scripting, Regex

Tools: Unit Testing, Pair Programming, Rest and Soap, Agile/Scrum methodology, Waterfall, Databases

Extra: Github, Adobe Photoshop, Freehand, Microsoft Office

Projects

Sparki Pill Pusher　　　　　　　　　　　　　　　　　　　https://git.io/v68Vt
　　　　　　　　　　　　　　　　　　　　　　　https://youtu.be/TKgePysJxr0

- Sparki follows specified paths to fetch 1 of 5 bottles.
- It uses light sensors to make sure that it stays on the defined path, and uses its ultrasonic sensors to find the fastest path to the bottle at an optimal angle.
- Sparki uses its RFID scanner to scan the pill bottle, making sure that the unique tag matches with the specified bottle number. If an incorrect bottle is approached, Sparki will beep, display a message that it is incorrect, and move back to the start to await more instructions.

Python Data visualization　　　　　　　　　　　　　　　　　https://git.io/v68ax
　　　　　　　　　　　　　　　　　　　　　　　https://youtu.be/K5FWMMMd8d4

- Created a webpage using HTML, Python, and mySQL, which displays an animated Chloropeth map to visualize Carbon Dioxide Emmissions per state in the United States over the past two decades.
- The states are color-coded according to the annual amount of emissions per state in million metric tons of carbon dioxide, and a cursor hover over a particular state will display a breakdown of that state's Carbon emissions per type in petroleum, coal, and gas.

Extra Curricular

- ALP(Applied Leadership Program)
- CLP(Core Leadership Program)
- Graphic Designing
- Westminister Public Library(Volunteer in the computer class)2014

Groups

- HACK CU,CUWIC(Women in Computing)