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*
Digitizing 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://github.com/rala8730/Sparki-for-Pharmacy-**
Youtube Video   *https://www.youtube.com/watch?v=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 constantly recalibrates to ensure that it does not get off track in order to locate the bottle. It hones in on the specified object 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 on the bottle matches up 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://github.com/rala8730/Python-DatavisulizationWebpage**
Youtube Video   *https://www.youtube.com/watch?v=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
Teaching, Teaching computer, tablet/ipad and mobile basic skills to beginner   *Volunteer 2014*

group

HACK CU,CUWIC(Women in Computing)