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/v64Lp

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.
- Displays an animated Chloropeth map to visualize Carbon Dioxide Emmissions per state in the US 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.

Android Inventory App   https://git.io/viOZW

- Created a inventory app using Android Studio with Java and XML.
- Displays image, price and quantity of the each item and calculates the overall amount of total items

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)