IAN **RUVUTO KAMPWANYI**

Computer Science student.

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Personal Portfolio| Github | LinkedIn

EDUCATION

2021-2023 Jacobs university of Bremen

Bachelor of Computer Science,

Relevant Coursework: Operating System (Linux), Programming in C/C++, Algorithms and Data structures, Introduction to Computer science, Introduction to Robotics.

WORK EXPERIENCE

OSA-Burundi NETWORKING - 12/20 to 09/21
- Made Dell, HP and Cisco based tender e-quotes
- Configured routers, switches, and Laptops of different brands.
- Designed Networks on Cisco Packet tracer.

Jacobs Hackathon 21st Edition - 07/22 to 11/22 (jacobshack.com)
- Prototyped different web page templates with Figma.
- Used Html, CSS, and JS to implement webpage.
- Designed a registration page which stored student's data by use of Google Sheets and Microsoft Excel API for JavaScript.

C/C++ Teaching Assistant at Jacobs University -09/22 to 12/22
- Help students grasp concepts of C/C++ programming language.
- Host weekly tutorials to help student prepare for assignments and exams.

Nu-Insight Magazine (Head of Editing Team) -01/19 to 12/20
- Designed Posters and magazines with Adobe Photoshop Illustrator and Indesign.
- Created previews, videos, trailers with Adobe Premiere Pro for events organised by Nu-Insight
- Released 2 magazines (Nu-Insight 2019 and Nu-Insight 2020).

RELEVANT PROJECTS

Railway-Web App Data-Base Management Project (Github-repository)
- Extended the web application using PHP to connect to a database.
- Developed an SQL trace monitoring system with PHP session variables to differentiate Admin and Client users on the website by giving them different user privileges on the database.
- Loaded Apache server-side errors and Client-side errors to presentable statistical diagrams using Excel API.
- Became proficient at reading API documentation

Computational Physics with Python (Github-repository)
- Implemented several algorithms and performed data analysis with Jyupiter Notebook.
- Used Matplotlib Animation modules to animate cellular automata of traffic flow with Nagel-Schreckenberg model.
- Used Pyplot library to present graphical solution to solve problems such as bifurcation diagrams.

Daily App logger (Github-Repository)
- Created an interface using Python Tkinter UI to display user's daily apps
- Automatically runs all daily apps once on Windows startup.

React Native To do List (Github-repository)
- Designed a responsive To-do list.
- Learned how to use different component files for different types of tasks

SKILLS

Languages: Kirundi/Kinyarwanda (native), English (C2), French (C2), German (A2)
Programming: Python, C, C++, HTML, CSS, JS, PHP, SQL, VB.Net, Linux
Graphic Design: Adobe Photoshop, Illustrator, Indesign, Premier Pro, Vegas Pro, Figma
Soft: Discipline, Teamwork, Independent thinking, Time management.
Certification: Cisco SMB IT and Sales Certification, Dell Small Business solution Certification.