DIEPREYE CHARLES-DANIEL

Edmonton, Alberta

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Engineering Co-op Program

Summary

Dynamic Computer Software Engineering student with experience in front-end development and IT management. Proficient in C++, Python, and HTML/CSS, with a track record of resolving IT issues and leading project teams. Skilled in developing responsive websites and innovative solutions. Eager to apply technical expertise to drive impactful software projects.

Technical Skills

Languages: C, C++, Python, HTML/CSS, Nodejs, Typescript, VHDL, Bash Scripting
Developer Tools: VS Code, Eclipse, Google Cloud Platform, Spyder, JetBrains
Technologies/Frameworks: React, Flask, Bootstrap, Windows, Linux Shell, Powershell, GitHub, Ubuntu

Education

Bachelor of Science in Computer Software Engineering   **Sep. 2022 – May 2027**
University of Alberta   Edmonton, Alberta
Cumulative Grade Point Average   3.6 out of 4.0

Experience

Front End Developer Intern   **August 2022 – December 2022**
Harveyteck Web Resources   *Port Harcourt, Nigeria*
- Developed 7 fully responsive websites with HTML, CSS, Bootstrap, and Node.js learning directly under one of Harveyteck's senior full-stack developers.
- Incorporated Netlify for web hosting and data handling over 12 weeks, Git and GitHub for version control, and to visualize collaboration with my mentor and team lead.

I.T. Management Intern   **August 2022 – December 2022**
Ogeyi Place Hotel and Resorts   *Port Harcourt, Nigeria*
- Diagnosed and resolved IT issues for 100+ clients in Win10 environment, achieving 85 percent success rate. Reduced downtime by 20 percent, boosting productivity.
- Assessed and troubleshot server problems caused by malware attacks, email spoofing, and phishing, reducing the number of incidents by over 50 percent.
- Assisted IT staff with various tasks, maintaining a 100 percent success rate, managed PMS database, processed paperwork using Microsoft Word and Excel, and handled client inquiries.

Projects

UAlberta Student Assistant | *Python, HTML, CSS, Nodejs, React, Django, SQLite, Flask*   **Nov. 2023 – Present**
- Spearheaded a 4-member team initiative to develop a comprehensive web application using HTML, CSS, Python, Nodejs, React, and SQL, aimed at providing essential academic assistance to fellow university students.
- Engineered dynamic resources feature leveraging the Google Books API and Python-based web scraping techniques with Flask, Selenium, and BeautifulSoup to compile an extensive database of relevant books, courses, course-related events and YouTube videos tailored to student coursework.
- Designed and implemented a user-friendly GPA calculator and estimator feature using C++, empowering students to accurately predict their GPA and strategically plan for upcoming semesters.

Guide Bot | *Python, C++, Google Maps API, OpenRoutes API, Arduino*   **January 2024**
- Led a 4-member team in the development of an Arduino UNO-powered robot using Python and C++ aimed at assisting visually impaired individuals in navigating both indoor and outdoor environments.
- Engineered the outdoor navigation functionality of the guide bot utilizing Google Maps and OpenRouteService APIs, ensuring precise movement between known locations across Canada.
- Designed and integrated a smart solar sensor using C++, enhancing the bot's energy efficiency through intelligent solar energy utilization.

Scholarships and Awards

- First Class Standing 2022/2023 Session
- Awarded The President's International Distinction Scholarship 2022