KALINDA SIAMINWE

SOFTWARE ENGINEER

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EDUCATION

UNIVERSITY OF ZAMBIA   February 2019 –November 2022
Bsc Computer Science
   Relevant Coursework:
- WEB PROGRAMMING AND TECHNOLOGIES
  - HTML, CSS, JavaScript
  - Course Project: Library System in Spring
- DATABASE & INFORMATION MANAGEMENT SYSTEM & ADVANCED DATABASES:
  - Database design
  - SQL
  - PostgreSQL

  Capstone Project: Automatic Speech Recognition (ASR) for Chitonga: Employed state-of-the-art NLP and Machine learning techniques for a low resource language in Zambia.

SKILLS

Technical: JavaScript, ReactJS, ReactNative, HTML5, CSS3, SQL, PostgreSQL, Kotlin, Apache Kafka, Java, Python.
Tools & Methods: Git, GitHub, Chrome Dev Tools, Juypter notebook/Colaboratory, Tableau, Power BI, Linux.
Professional: Report writing, Remote Pair-Programming, Teamwork, Communication, Organization Skills, Problem Solving and Logical Thinking.

EXPERIENCE

Institute for Health Measurement(IHM) Southern Africa   Lusaka, ZAMBIA
Software Engineer Intern   January 2023 – Present
- Develop and build software as per the software requirement specification and design document for SmartCare+ ehealth record system.
- Actively participate in maintaining code quality, readability and IHM's system development framework.
- Prepared test cases and conducted unit testing alongside Doctors.
- Actively monitor SmartCare systems in different health facilities and offer support when issues arise.

Innovage Investment Ltd   Lusaka, ZAMBIA
FullStack Developer Intern   February 2022 – July 2022
- Worked on software requirements specification, identifying system features, system functional and non-functional requirements and customer use cases.
- Employed an agile way of working on different software development projects, including making daily updates on monday.com
- Researched and obtained a better understanding of embedded application (IoT) development by creating, testing and deploying applications on custom hardware.
- Worked with a team in performing tests on software development projects.
- Learned scrum master principles.
- Developed an e-learning website using HTML,CSS and React.js.

Zambezi Voice project(UNZA)   Lusaka, ZAMBIA
Student Fellow   January 2022 – November 2022
- Collected text and speech data for low resource languages in Zambia.
- Performed data exploration, data cleaning and data transformation in preparation for corpus creation.
- Created a text corpus and speech corpus for ChiTonga to be used in model training.
- Trained different models to create an automatic speech recognition and speech translation system for low resource languages in Zambia.