Welela Burayu

(602)-783-9076 | welelaburayu3068@gmail.com
linkedin.com/in/welelaburayu | github.com/wburayu

EDUCATION

Bachelor of Science: Computer Science
Rhodes College, Memphis, TN   **Expected Graduation:** May 2024
- **Clubs and Programs:** Computer Science Club, African Students Association, Black Student Association

EXPERIENCE

HashiCorp | Software Engineer Intern   05/2023 – 08/2023
- Developed and integrated new design components into the **Helios Design System** using **TypeScript** and **EmberJS**, resulting in a **25%** improvement in visual consistency and user experience across the **Consul** UI system.
- Programmed a **JavaScript** and **Python** codemod to streamline header and body modifications across **60+** pages within the Consul ecosystem, resulting in a timesaving of approximately 2 weeks by eliminating the need for manual updates.
- Participated in **Scrum**-based agile processes, actively engaging in daily stand-up meetings and weekly sprint meetings to facilitate effective communication of work scope and the discussion of blockers.
- Leveraged **AWS VPC** and **Azure Virtual Network** to ensure backend stability and secure data transmission.

Rhodes College | Information Technology Specialist   07/2021 – 12/2022
- Provided on-call support and software assistance for visual and technological equipment around the Rhodes College Campus using anti-virus software and network diagnostics tools resulting in **50+** technological issues solved.
- Maintained Rhodes College IT Helpdesk operations, ensuring timely updates and assignment of tickets.

Arizona RV Salvage | Web Developer   10/2019 – 01/2020
- Redesigned company website using **HTML, CSS**, and **JavaScript** which yielded a **54%** increase in website customer retention.
- Expanded the company's reach by **14%** across **48** states by implementing new digital services and leveraging strategic social media campaigns.

PROJECTS

ChampNet | Readme | *Python, Keras, TensorFlow, Scikit-Learn*
- Programmed ChampNet, a neural network-based tool using **Keras**, to classify League of Legends champions into Riot's six archetypes, leveraging convolutional layers for effective image processing.
- Utilized **Riot's Data Dragon API** for efficient data extraction and preprocessing, transforming champion images into 2D RGB arrays and normalizing them for optimal neural network performance.
- Performed data partitioning using **scikit-learn** to create efficient training and testing sets, achieving a preliminary accuracy of **30%**.

CuisineSync | Readme | *Java, MongoDB, NoSQL, AWS SageMaker*
- Devised the collaborative development of CuisineSync, user centric app responsible for providing optimal restaurant options for groups based on location, budget and preference under **Agile** methodologies.
- Engineered robust back-end systems using **Java**, ensuring efficient data processing and reliable application performance.
- Utilized **MongoDB**, a **NoSQL** database, for flexible data storage and rapid retrieval, enhancing the app's responsiveness and scalability.
- Incorporated **AWS SageMaker** for building, training, and deploying machine learning models to provide personalized restaurant recommendations.

TECHNICAL SKILLS

Languages: JavaScript, Java, Python, C, Typescript, HTML, CSS, NIOS/Assembly, Go, Racket
Technologies: Git, React, Node, Ember, SciKit Learn, Keras, PostgreSQL, NoSQL, MongoDB, Pytorch, Tensorflow, AWS, Azure