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EMPLOYMENT

Site Reliability Engineer Intern   **Google**   **Jun 2021 - Oct 2021**

Google Play Infrastructure

- Safely migrated a service with approximately 1 M queries per second internal RPC requests from a legacy deployment to a new production platform that provides production setup unification and better control over the service.
- Finished the project ahead of the allocated time and started a migration for another similar service which speeded up the team's progress towards its goals for the quarter.

Teaching Assistant   **African Leadership University**   **Sep 2019 - Aug 2020**

Mathematics; Data Structures & Algorithms

- Developed an automated grading application that randomizes take-home assignments' questions across students. This reduced the rate of plagiarism and ensured that all students do their tasks individually. Python, JavaScript
- Reviewed and provided learners with feedback on their weekly implementations of different algorithms they learned.
- Assisted in curriculum design, learning materials collection, and lessons preparation for Cloud Computing, Systems Programming, and Software Engineering courses.

Software Engineer Intern   **Irembo**   **Jun 2019 - Sep 2019**

DevOps

- Automated manual cron jobs scheduling, by giving developers a mechanism to include these in their codebase, they will then be registered on the Kubernetes cluster upon deployment. Java, Docker, Kubernetes
- Reduced bank reconciliation time by the finance department from 7 days a month to less than an hour a day by developing a system that consumes payment API and matches all the transactions daily. Java
- Improved software build process by automating build on different events such as pull request or merge master; implemented an auto versioning system that saved the company's resources by deploying only necessary libraries. Git, TeamCity

TECHNICAL PROJECTS

- **CodExek | Machine Learning Tutorials Platform** (2020): Designed and developed a web application that teaches and facilitates users throughout data analysis, data cleaning, feature engineering, train ML models, and prediction without writing any codes. Python
- **Complaint MicroAPI** (2020) Collaborated with five developers to develop a pluggable complaints microservice API that helps businesses fasten their development process. Python, Flask
- **News Popularity Predicting Model** (2018). Identified features that highly correlate with label column; used those features to train an ML model that predicts the popularity of an online post; Won the top prize at HackAfrica AI Hackathon organized by CMU-Africa. Python

EDUCATION

B.S in Computer Science   **African Leadership University**   **Sep 2017 - May 2021**

- Relevant Coursework: Programming, Data Structures & Algorithms; Databases; Cloud Computing; Computer Networks; Systems Programming; Web Development; Discrete Mathematics; Machine Learning
- In-major GPA: 4/5

ADDITIONAL EXPERIENCE AND AWARDS

- **Developer Students Club Lead** (2019 - 2020). Overseas and coordinates various club teams towards empowering about 50 student members with web and mobile development skills.
- **Progate Ambassador** (2018 - 2019). Organize and run monthly coding workshops to introduce non-CS students to basic programming concepts and coach those interested in furthering their coding skills.
- **Academic Excellence Prize** (2017). Awarded the best performer out of 170 students in high school national exams.

LANGUAGES AND TECHNOLOGIES

- Python; JavaScript; Java; SQL; HTML/CSS
- Git; Unix; Databases; Docker