

WANGUI KIMBERLY

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Career Objective

I am a third year Computer Science student with a strong foundation in software development, specializing in creating impactful and user-friendly applications. My ability to quickly adapt to new technologies and solve complex problems through programming makes me an ideal candidate for a fast-paced learning environment. I am passionate about using technology to drive innovation, collaborating in diverse teams, and contributing to impactful software solutions.

Education

Strathmore University

Bachelor of Science in Informatics and Computer Science

Expected Graduation: July 2026

Nairobi, Kenya

Relevant Coursework: Data Structures and Algorithms, OOP, Computer and Network Security, Intro to Machine Learning, Probability and Statistics, Web App Development, Software Engineering, Human Computer Interaction

Technical Skills

Languages: Java, JavaScript, Kotlin, PHP, HTML/CSS, C++, Python

Frameworks: Laravel, GitHub, MySQL, Bootstrap

Projects

Arcade Ticketing System | Laravel | JavaScript | MySQL |
<https://github.com/KimberlyWangui/csarcadeproject>

- Developed a dynamic web application using Laravel and JavaScript, enabling users to purchase arcade tickets and select games.
- Integrated M-Pesa API for seamless payment processing, showcasing my understanding of API development.
- Optimized backend functionality in MySQL to manage user data and game inventory efficiently.

Hotel Booking System | Laravel | JavaScript | MySQL |
<https://github.com/KimberlyWangui/hotel-web>

- Collaborated in a team to design and implement a hotel booking platform using Laravel, allowing users to search, reserve, and manage bookings.
- Integrated payment features and real time room availability updates to enhance user experience.

Real Estate Price Predictor | Python | NumPy | Matplotlib |
<https://github.com/KimberlyWangui/MachineLearningTask1>

- Built a Python based machine learning model to predict real estate prices using linear regression and NumPy.

- Visualized data trends with Matplotlib and optimized the model using gradient descent for parameter accuracy.

Awards (*Strathmore University*)

Dean's List (2022 – 2023 Academic Year): Recognized for outstanding academic performance at Strathmore University.

Certification

Cisco Certified Network Associate (CCNA): Introduction to Networks

July 2023

Extracurricular Activities

German Club

2023 – Present

- Promotes cultural exchange and language learning by organizing German lessons, attending Goethe-Institut events, and hosting engaging activities on campus.