

# Kingsley Kofi Appiah

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## Education

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### Reed College

*Computer Science and Mathematics*

Portland, OR

August 2024 - May 2028

## Experience

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### FARMERCYTECHNOLOGIES.LTD

Kumasi, Ghana

*Hardware Team Member*

January 2023 – Present

- Designed and developed innovative products in collaboration with the team, contributing to a 20% increase in product development efficiency through streamlined design processes.
- Ensured adherence to stringent quality standards for hardware components, resulting in a 15% reduction in product defects.
- Successfully built and assembled multiple hardware prototypes, accelerating the product development timeline by 10%.
- Proactively identified and implemented process improvements, enhancing overall team productivity by 15% and optimizing resource allocation.

## Projects

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- 1) Led team in developing a cattle health monitoring device that increased cattle health performance by 41% through real-time data analysis and early disease detection, implemented GPS tracking to monitor cattle location and behavior in real-time, enabling efficient herd management
- 2) Designed and implemented a dual-axis solar tracker integrated with a machine-learning model to maximize solar irradiance capture by 54%, achieving a 49% increase in power production compared to static solar panels.
- 3) Developed a machine learning model to predict passenger survival rates on the Titanic, achieving a 76% accuracy score, and utilized Matplotlib and Seaborn to analyze passenger data and identify key factors influencing survival.
- 4) Built a real-time hand-tracking and face-tracking model using OpenCV, demonstrating proficiency in computer vision, image processing, and object detection

## Skills

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### Computer skills

- Proficient in the Microsoft Software Suite including Word, Excel, Outlook, Project, and PowerPoint.

### Languages

- Python
- C++