

# Joseph Kofi Asante

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## OBJECTIVE

A hardworking, enthusiastic and self-motivated individual with a Bachelor's degree in Computer Engineering degree from the University of Ghana, with 6 years' experience in game development and web systems with substantive knowledge in the following programming languages and technologies: C#, Java, Python, IBM Watson AI, Neural Seek, ASP.NET, DotnetZero, ABP, SQL, Bootstrap, Node.js, Angular, Tailwind CSS, Unity 3D, Unreal Engine.

## EXPERIENCE

December 2022 – March 2022, Accra, Ghana

### Game / Virtual Reality Developer, Dobiison

- Design and develop simulation based solutions, providing innovative suggestions on problems and the deployment of software applications for our clients.
- Developed VR City Tour Solution for Real-Estate Development, Sucasa Ghana.

October 2021 – Present, Accra, Ghana

### Senior Software Engineer/Senior Associate, PricewaterhouseCoopers(PwC)

- Implement and iterate on various frontend features, backend features and internal development tools used by the team and our clients.
- Built and automated google sheet applications for internal units in the firm.
- Provided documentation for external clients (Banks, Insurance companies, etc.).

January 2021 – June 2021, Somone, Senegal (Remote)

### Parc-Robotics [Education \(parcrobotics.org\)](https://education.parcrobotics.org)

- Structural design and development of visual scripting engine using block codes.
- Design and development of a variety of gaming challenges and level designs.
- Held online training sessions to teach children concepts of programming using fun gaming challenges developed. [ParCode 2021 Demo](#)
- Pivotal to the success of the Pan-African Robotics Competition by pitching and suggesting ideas to drive innovation.

January 2020 – January 2021, Accra, Ghana

### Mills Media Ghana

- Collaborated with a team of UI designers and backend developers
- Provided expertise on gaming concepts and animation.
- Implemented the core logic on games published.
- Lead on published games on play store such as "Asantewaa"-  
<https://play.google.com/store/apps/developer?id=Mills+Media> and "Adinkra Quest"-  
<https://play.google.com/store/apps/details?id=com.QuestAdinkra..adventure>.

## COMMUNICATION

Spoke at the 2019 AI in tech stakeholders summit held at Ghana Tech Lab, Accra Digital Center, on AI in gaming and real-world simulations.

## CERTIFICATIONS

### Character Animation with Blender

Bloop Animations • 2018

### Complete Game Development with Unity

Codestars, Dr. Penny de Byle • 2021

## EDUCATION

### Bachelor of Science in Computer Engineering

University of Ghana • Legon, Accra, Ghana • 2021

### West Africa Senior High School Certificate Examination (WASSCE)-General Science

Achimota Senior High School • Achimota, Accra, Ghana • 2017

## KEY SKILLS

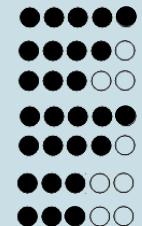
### PROFESSIONAL SKILLS

- Web Development
- Unity Development



### LANGUAGES/STYLE SHEETS

- C#
- Java/TypeScript
- JavaScript
- HTML
- CSS
- SASS
- SQL



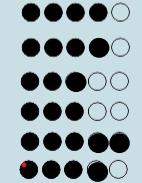
### VERSION CONTROL TOOLS

- GitHub
- Azure DevOps



### FRAMEWORKS

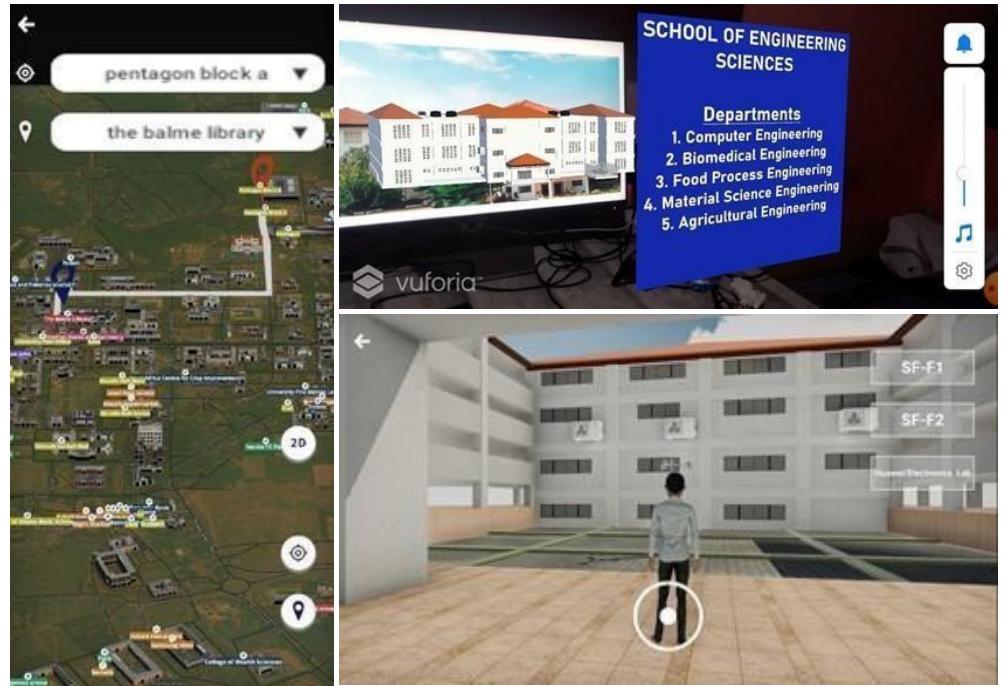
- Dotnet
- ASP Boiler Plate (ABP)
- Dotnet Zero
- Entity Framework
- Angular
- Material UI



# PROJECTS AND DESCRIPTIONS

## XR 3D GPS System

A GPS system that utilizes XR technologies such as VR for interior traversals of buildings and AR for building detection. Test case: University of Ghana Campus. Features of the system includes real-time tracking and 2d waypoint navigation and interior navigation.



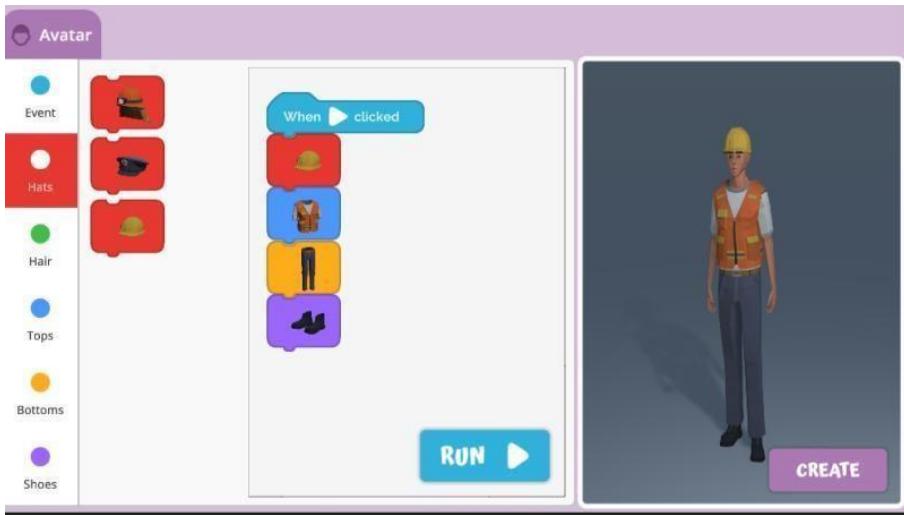
## Ghana Tech Lab VR Walkthrough

A VR walkthrough system of the Ghana tech lab space with illustrations of the various spaces of the building.

## 3D Visual Scripting Solution for Pan - African Robotics Competition.

A block scripting solution used at the annual parcs robotics competition. Solution includes a number of sandbox challenges were users solve these challenges using 3d block codes.  
Ref: [ParCode 2021 Demo Game](#)





### 3D Visual Scripting Solution for Katapult (Mauritius).

A block scripting solution used to teach Mauritian children concepts of programming. Solution includes a number of sandbox challenges where users solve these challenges using 3d block codes. Ref: [Katapult Demo](#)

### 3D Third Person Shooter (The Gold Coast).

A 3D third person shooter focused on the flag staff house of Ghana set to be released in 2024.



### A 3D Combat Game (Heroes of the Past).

A 3D fighting game based on historical Ghanaian figures in a 2d style fighting game set to be released in 2024.