



Impact Report

2023

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MISSION AND VISION

Our Mission

Our mission is to establish code clubs in every Ghanaian community ensuring that the youth particularly girls have access to the tools they need to thrive in the digital world.

Our Vision

Our vision is to give every child the skills, confidence, and opportunity to change their world.

Our Values

We champion working and learning together.
We inspire discovery and invention through play.
We believe in the transformational power of programming.

Hello

A word from our founder



As 2023 draws to a close, Ghana Code Club celebrates a remarkable impact, with over 13,000 Ghanaian children actively engaging in coding at our various centers. Our commitment to education extends beyond students, reaching over 1,500 teachers through comprehensive training programs, enriching their skills and empowering them to guide the next generation.

In a strategic expansion move, our digital village centers have grown from 11 to 14, broadening our reach and accessibility. A pivotal milestone for us is the establishment of the Hopper Dean Ai and Innovation Center, positioned not only as a hub for cutting-edge learning but also as a sustainable business model. This center serves as a beacon, ensuring the continued success of our free programs throughout Ghana.

We extend heartfelt appreciation to the Hopper Dean Foundation for their unwavering dedication and efforts in realizing the dream of Phase 1 of Ghana Code Club's Innovation Center. Their support is instrumental in creating a

lasting impact on knowledge in Technology and STEM within our communities. Together, we are shaping a future where learning and innovation thrive, thanks to the invaluable partnership with the Hopper Dean Foundation. We also express our gratitude to Raymond Walter Michaels in the USA for his continuous monthly donations since 2021.

Ghana Code Club remains dedicated to fostering a future where digital literacy is pervasive, and our achievements this year signify significant strides toward that vision.

Ernestina Edem Appiah
FOUNDER

MEET THE TEAM

BOARD OF DIRECTORS



KATIE DONKOR
PGCE | BA
EDTECH & DIGITAL LEARNING
SPECIALIST



RACHEL MAN
FOUNDER, WEMANCONNECT
SOCIAL IMPACT CONSULTING



**LATOYA SAMUELS
WHARTON, MBA**
FOUNDER, SIBLINGS KEEPER



MARTIN LINDSEY
FOUNDER,
PHUNKY PIXEL MEDIA



CHRISTINA OUTLAY
FOUNDER - COLORCODED,
INC



ETHEL COFIE
FOUNDER,
EDEL TECHNOLOGY
CONSULTING

BOARD OF DIRECTORS



**TAWIAH STEVE
SEWU**
BOARD MEMBER



**ERNESTINA EDEM
APPIAH**
FOUNDER

OUR TEAM



DAUD YAKUB
LEAD TRAINER/INSTRUCTOR



**LEON NUAKO
YANKFUL**
HEAD OF OPERATIONS



**THEOPHILUS
AMOAKO**
LEAD TRAINER/INSTRUCTOR

OUR TEAM



GEORGE YEBOAH
CURRICULUM DEVELOPER



AMPOFO YAW MANU
ASHANTI REGIONAL
COORDINATOR



ALBERTA HAYFORD
UPPER WEST COORDINATOR



MICHAEL GYATA
ROBOTICS INSTRUCTOR



NOEL N. EMMANUEL
GRAPHICS & WEB DESIGNER /
INSTRUCTOR



EMMANUEL MINGLE
LEAD TRAINER/INSTRUCTOR



NOELLA DERIBAA
LEAD INSTRUCTOR FOR
LITTLE PROGRAMMERS

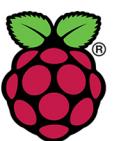
PARTNERSHIPS

Our partners have worked with us to deliver ever more innovative, effective and successful projects and programmes and their support has been vital in achieving our Mission and Vision

MAIN PARTNERS



SAMSUNG



SIBLING'S KEEPER
Improving Opportunities Around the World



Past Collaborators /Sponsors



eutelsat



2023 OUR IMPACT



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2023 IMPACT

(OVERVIEW)

MAP OF IN-PERSON PROGRAM LOCATIONS IN GHANA



GHANA



● CENTRAL REGION

● GREATER ACCRA

● OTI REGION

● ASHANTI REGION

● WESTERN REGION

● EASTERN REGION

● WESTERN NORTH REGION

● VOLTA REGION

12

300
FROM:
TRAINING
TEACHERS

ENRICHMENT
PROGRAMS
810
STUDENTS

DIGITAL VILLAGE
LEARNERS

11,200
STUDENTS

FROM 14
CENTERS

325
FROM:
IN-SCHOOL
TEACHING

38%
GIRLS

LAUNCH OF HOPPER DEAN CENTER

As part of our strategic expansion moves, Ghana Code Club in November 2023 Launched Hopper Dean innovation and AI center in Kwabenya, Accra with a big thanks to the Generosity of the Hopper Dean Foundation, USA.

The establishment of the Hopper Dean center is a pivotal milestone for us at the Ghana Code Club because not only is the center positioned as a hub for cutting-edge learning but also as a sustainable business model. This center will serve as a beacon, ensuring the continued success of our free programs throughout Ghana.

Innovation Challenges: The hub will host innovation challenges and hackathons to encourage creative problem-solving, collaboration, and the development of innovative solutions to real-world problems.

Career Development Workshops: Workshops and seminars designed to enhance participants' career readiness, covering topics such as resume building, interview skills, and professional networking within the tech industry.

Mentorship Programs: The Hopper Dean AI Hub will establish mentorship programs connecting participants with experienced professionals in the tech industry, providing guidance and insights for career growth.

Saturday Code School for Children (Ages 5 and Up):

The Hopper Dean AI Hub recognizes the importance of nurturing a passion for technology from a young age. The Saturday Code School for children will offer a dynamic and interactive learning environment, featuring hands-on activities spanning a variety of technology disciplines, including:

Coding Workshops: Children will engage in coding exercises tailored to their age group, fostering logical thinking and problem-solving skills.

Robotics: Hands-on robotics projects will introduce children to the exciting world of automation and machine intelligence.

Python Programming: Basic Python programming sessions will provide an introduction to one of the most versatile and widely used programming languages.

Web Development: Children will get hands-on experience in creating and designing web pages, fostering an early interest in web development.

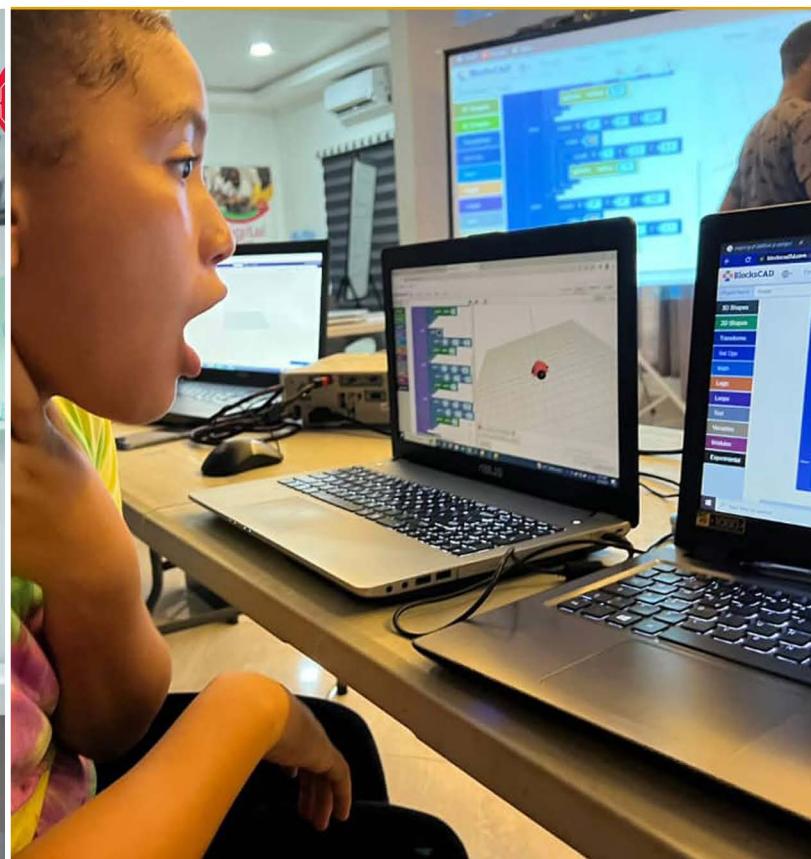
Electronics and Innovations: Interactive sessions involving electronics and other innovative projects, encouraging experimentation and curiosity.

Ghana Code Club remains dedicated to fostering a future where digital literacy is pervasive, and our achievements this year signify significant strides toward that vision.



2023 PROGRAM ACHIEVEMENTS - IMPACTING YOUNG MINDS WITH TECHNOLOGY

ACHIEVEMENTS	STATISTICS
Number of Children Impacted	150
Computational Thinking Growth	Remarkable
Reading Fluency/Comprehension Improvement	Significant
Passion for Technology Sparked	Yes, with Interest in STEM Careers
Program Expansion	Python, AI, and 3D Modeling Workshops Added





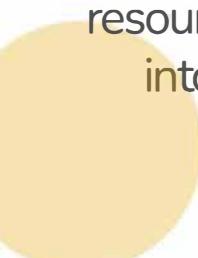
TEACHER TRAINING

In collaboration with Ghana Education Service, Ga West Directorate, we held a capacity building training workshop for some junior high school ICT teachers in Amasaman District, making it a total of 300 teachers trained in 2023. The purpose of our teacher training was to empower teachers with essential skills, concepts and resources needed to effectively teach computer science and computational thinking to their students even in the absence of advanced technologies. We engaged teachers with some offline activities that teaches computer programming concepts, critical thinking and problem solving. We distributed our coding activity books and other resources that will help them integrate computer science concepts into existing subjects, fostering cross-disciplinary connections.

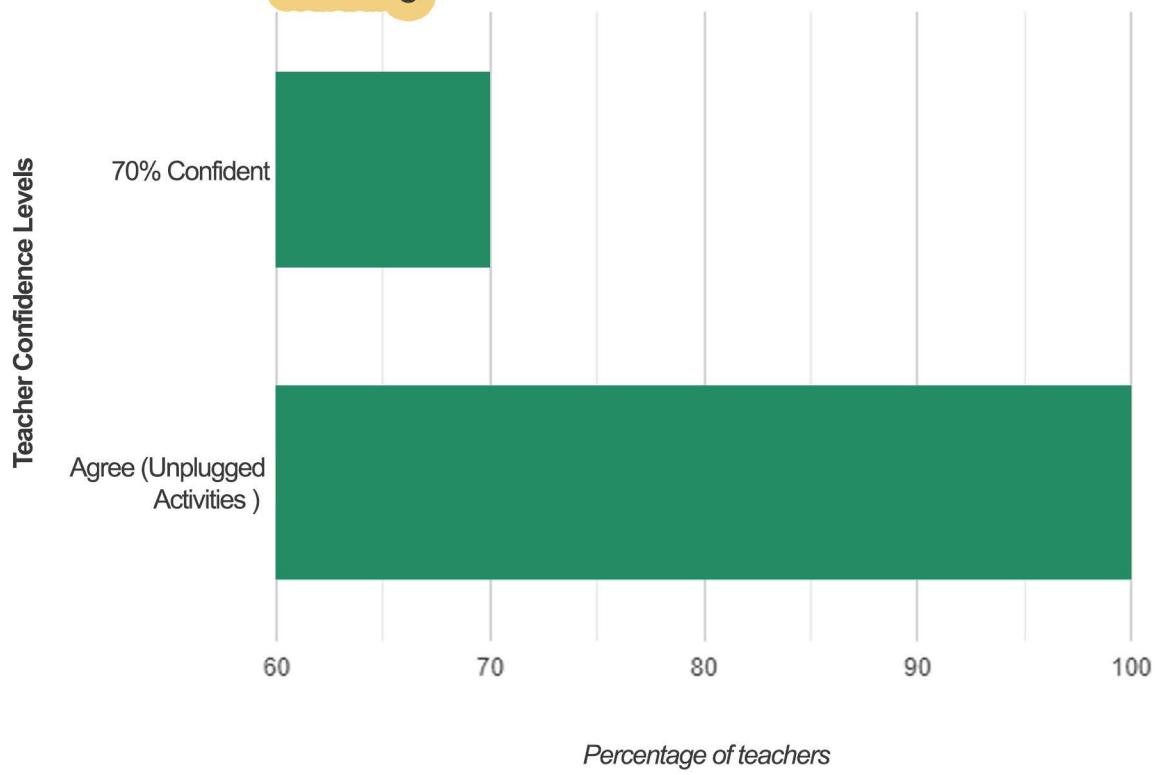
We conducted a before and after survey

70% of teachers think the teacher training program has helped them built enough confidence of integrating computational thinking concepts into their daily lessons

another sets of teachers agrees that even though their students lack access to computers in schools, they could still teach computer programming through unplugged activities .



Teacher Confidence in Integrating Computational Thinking



CODING IN GHANAIAN CLASSROOMS

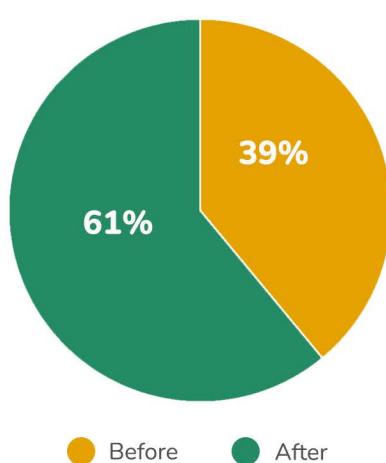
Ghana Code Club is committed to delivering our digital literacy curriculum in schools directly or indirectly through trained teachers. Our aim is to get children excited and curious about STEM. Students learn programming with Scratch, HTML CSS for web page designing, python and robotics.

Since 2015 – 2023 we have exposed more than 60,000 children directly or indirectly through trained teachers

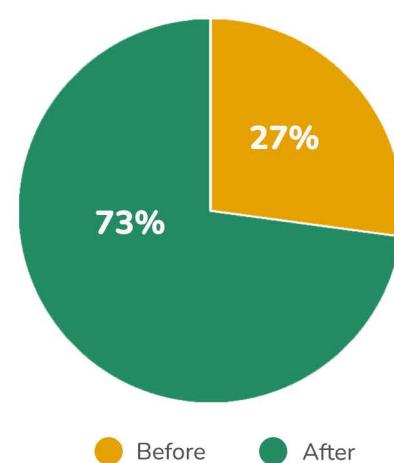
Beyond fun when kids learn to code, they learn critical thinking, problem solving, creativity and innovation.

We conducted a survey before and after for students taught in 2023 to check students' progress. Majority of them agreed that they are now curious about how things work. Others also agreed their process of learning computer programming is enjoyable.

CHANGE IN STUDENT CURIOSITY



CHANGE IN AGREEMENT WITH
ENJOYMENT OF LEARNING





GIRLS IN STEM

Girls-in-ICT Day has now become an important initiative on the calendar of the Ministry of Communications which is celebrated annually on regional basis to empower a selected number of girls. Ghana Code Club provides support and training to help the Ministry deploy this program successfully by establishing ICT Clubs for Junior High Level students to become creative and confident in a technology world.



COLLABORATION WITH KOKROBITE CHILTERN CENTER

Ghana Code Club at Kokrobite Chiltern Centre: Impact in 5 Lines

30+ children in Kokrobite learned coding basics (Scratch & Robotics) for 3 months.

They gained computational thinking, creativity, and confidence in technology.

This bridged the digital divide and fostered collaboration among children.

Parents appreciated the program's positive impact on their children's development.

Ghana Code Club and KCC aim to expand the program and empower the community through technology.



COLLABORATION WITH FIREFLY IO

Ghana Code Club is happy to announce our collaboration with Firefly IO who embarked with a team from Ghana to participate in a prestigious competition organized by Techmology in Algeria. The event focused on strategy and automation, featuring challenging tasks in autonomous and remote-controlled categories.

We are proud to announce that the Ghanaian team secured the 5th position overall and was honored with the Best Design award. These accolades reflect the dedication, innovation, and collaborative spirit of each team member.



DIGITAL VILLAGE

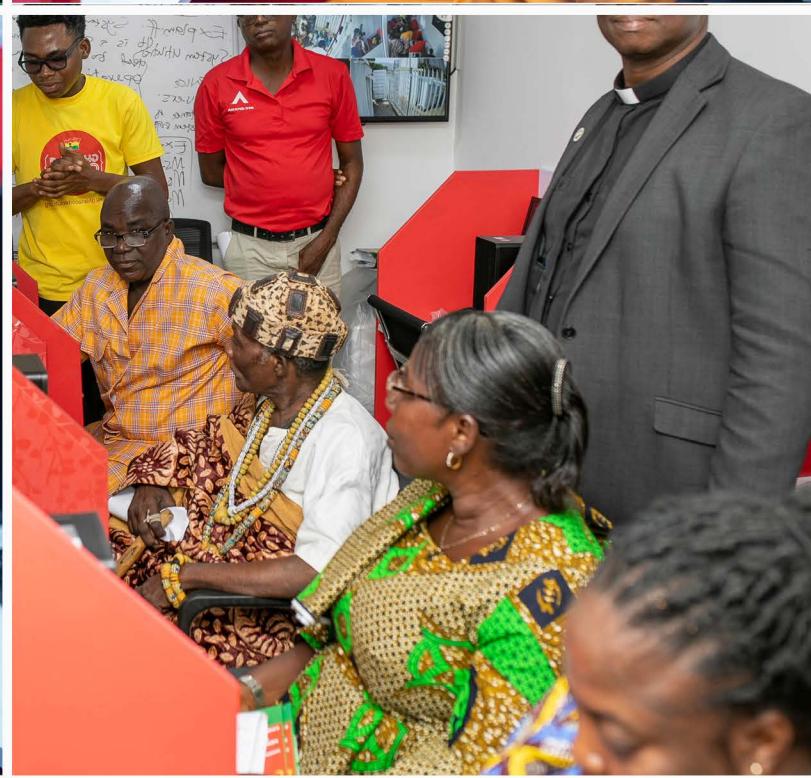
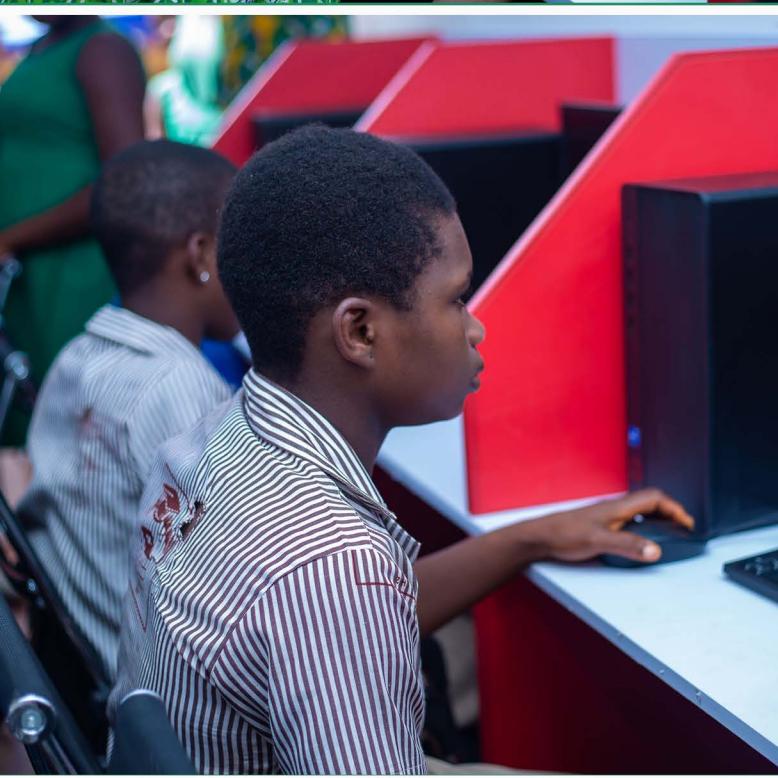
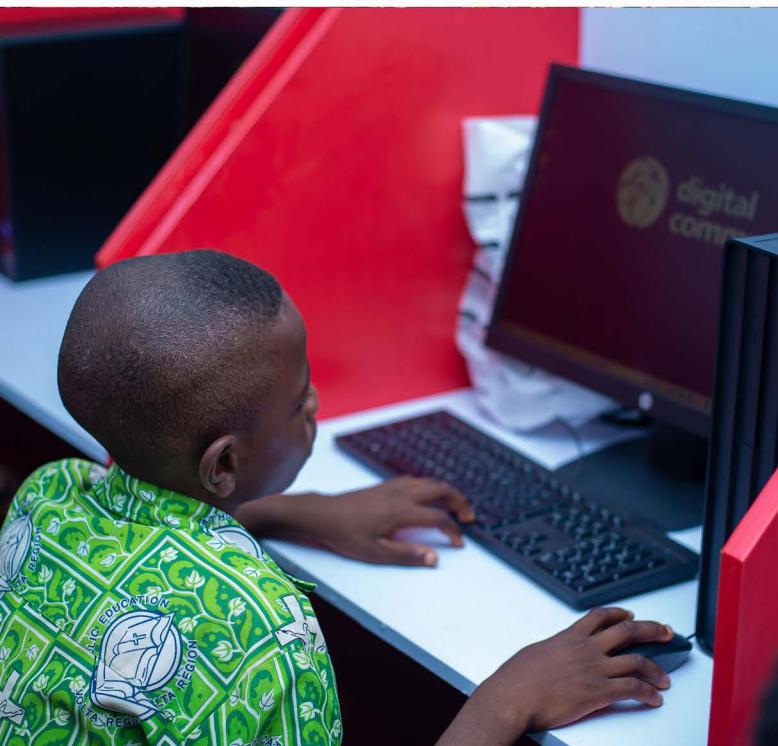
LEARNING CENTERS

Ghana Code Club entered into an agreement with ATC Ghana in 2019 to provide free Tech education for less privileged kids across 7 regions of Ghana. We operate a range of STEM activities from these centers for communities for free.

We expose close to 13,000 students to the fundamentals of computer programming and provide free access to the internet to an uncountable number of persons living in all these communities.

Ghana Code Club with our legal registered NGO Healthy Career Initiative is constantly seeking for partnership and cash donation to provide cutting-edge technology education and empowerment programs from these centers. Do not hesitate to contact us on tinaappiag@ghanacodeclub.org for any form of support.





SUCCESS STORY

Another exciting news to share is that, our students from the Jamasi Presby ATC center have qualified for the GSTEP competition in Ashanti Region. They presented an idea on automatic irrigation system for farmers. They'll be building a prototype in the coming weeks to showcase during the finals of this competition. We are super excited because this is the second time our code club students made a bold approach utilizing their technology skills to attempt to solve problems in society through the GSTEP competition since it was initiated in 2022. The first sets of our students were from the

Ashongman 1 Presby School.



THOUGHTS FROM A STUDENT

MEET CARL

MY EXPERIENCE AT GHANA CODE CLUB

BY CARL RUSSEL

I came to Ghana Code Club not knowing anything about programming or how to build and control a robot ,but Ghana Code Club really opened my understanding to what programming is by introducing me to Scratch. I also learnt how to design my own websites using html and css .

Currently I have designed a website for my mum and working on another website design for christmas .I am also planning on designing a website for a company I want to build in the near by future.

So, if you're looking for a place where kids are inspired to innovate then ,come join the Ghana Code Club crew!



CARL RUSSEL
CODED

www.ghanacodeclub.org

THOUGHTS FROM A STUDENT

MEET IVY

SEEING MY CHILD BLOSSOM

BY IVY DARKO

At 11, Elijah's tech curiosity led me to Ghana Code Club. Little did I know, it would ignite a coding passion that soared beyond basics.

Scratch sparked his joy, then web development stole his heart. With HTML, CSS, and Bootstrap, he surprised me by designing a website for my business! Not live yet, but its potential fills me with pride.

Ghana Code Club's magic goes beyond skills. They've nurtured Elijah's confidence, problem-solving, and critical thinking, all in a supportive, inspiring environment.

Today, Elijah's coding prowess amazes me. He's my tech guru, and his coding passion fuels his future.

If you want to nurture your child's tech love and equip them for the future, Ghana Code Club is the answer. They gave Elijah wings, and I can't wait to see him soar!



THOUGHTS FROM A VOLUNTEER

MEET THEO

MY EXPERIENCE AT GHANA CODE CLUB

BY THEOPHILUS AMOAKO

I've been volunteering with Ghana Code Club for the past year. It's been an incredible experience, one that's filled me with immense pride and purpose.

Growing up in Ghana, I didn't have access to computer science education at a young age. It was only through sheer determination and a bit of luck that I was able to discover my passion for coding. Now, with Ghana Code Club, I have the opportunity to share that passion with the next generation, ensuring that every child, regardless of their background, has the chance to unlock the potential that lies within them through the power of code.

I teach coding classes to children aged 5-17, and the joy in their eyes as they grasp new concepts, build their first games, and create interactive projects is truly inspiring. Their eagerness to learn, their boundless creativity, and their unwavering determination to succeed are a constant source of motivation for me.

But the impact of Ghana Code Club goes beyond just teaching code. We're equipping these children with valuable skills that will empower them to thrive in our increasingly digital world. We're nurturing their problem-solving abilities, fostering their critical thinking, and boosting their confidence to take on any challenge they face. We're opening doors to future career opportunities in technology, healthcare, engineering, and countless other fields.

I'm grateful for the opportunity to be a part of this incredible organization, and I look forward to continuing to make a difference in the lives of Ghanaian children for many years to come.



CALL FOR ACTION

Ghana Code Club's journey is paved with the support of amazing people like you. Want to join us in securing the future of Ghana's tech talents? Donate, volunteer, spread the word - every action counts! Let's code a brighter tomorrow together! 

THANK YOU

A big "thank you" to every single supporter of Ghana Code Club! Your belief in our mission to empower future generations of Ghanaian coders means the world. Together, we're building a brighter future, line by line! 





**SCAN TO VISIT OUR
WEBSITE**