

# AMOAKO JARED KOFI

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## EDUCATION

**Presbyterian Boys' Secondary School**  
General Science (GPA: 3.95/4.0)

Accra, Ghana  
*November 2018- October  
2021*

## TECHNICAL SKILLS

**Programming languages:** JavaScript, Python, C,  
**Programming Markup Languages:** HTML and CSS

**Office Suites:** Microsoft Word

**Operating Systems:** Windows

**Interests:** Football, Reading Scientific Articles, Environmental Issues, Social Issues, Photography, **Languages:** English, Akan, French

## EXTRACURRICULAR ACTIVITIES

### **President National Science and Math Quiz Team**

Organized and coordinated daily training sessions for contestants. Specialized in physics and mathematics. We won 2 national award and were second in the national championship out of 475 schools.

### **Co-founder and Developer of Covid Secure**

Designed a mobile app to streamline contact tracing efforts in Adenta and notifies other users of potential exposure to Covid-19. Demonstrated at a National Sci-Tech Fair. <https://github.com/tariqsulley/Covid-Aid>

### **Organizing Secretary.**

### **PRESEC SHARKS CLUB**

Recruited 50 students, coordinated weekly club meetings for members in Science and Math section in preparations for the annual National Sharks Quiz. Emerged 2<sup>nd</sup> out of 45 teams.

### **Founder, MIQLAT, youth run summer program that increases access to critical educational and financial resources**

Initiated summer classes to tutor 50 students having academic challenges in a local middle school. Equipped members with basic computing and mathematical skills; Raised \$2,000 from stakeholders to pay their educational costs. Grade

### **Presbyterian Boys' Secondary School Robotics Club Secretary and Project leader for Engineering project.**

Developed design cycle, flowcharts and solid works virtual simulation for pneumatic waste compressor. Lead construction of the compressor which helped reduce waste output of the school by 50%.

### **Ako Adjei House football team captain.**

Drew personalized training plans for team mates. Organized camps to improve accuracy and strength of passing. Three years league champions. Produced the regional best player.

### **Come to Jesus Ministry Church Praise and Worship Team**

Coordinated weekly rehearsals and organized quarterly performances at concerts. Mentored 2 new members; provided them with piano lessons and foundational instructions in music.

## LEADERSHIP ROLES & VOLUNTARY WORK

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### Freelance Artist, MTS Foundation, Voluntary non-profit business

Framed and displayed personal artworks to be sold at a local fundraiser, consulted buyers, donated all proceeds(700 cedi cash) to MTS foundation

### Project Overseer of an Energy Project, Presbyterian Boys' Secondary School

Designed wind mill which converted electromagnetic radiation to electricity. Also planned the layout of the PCB on Autodesk Eagle. Designed and simulated 3D models and PCB for small windmill using Solidworks and Eagle respectively.

### Lab Assistant, Physics lab Presbyterian Boys' Secondary School

Arranged set ups for physics practical work and taught students when the teacher was not available. Took stock of laboratory equipments and maintained a clean and organized laboratory for practicals.

## AWARDS

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- Winner of National Sci-Tech Fair.
- First runner up, National Science and Math Quiz 2021.
- Winner, Regional Science and Math Quiz Championship,2021
- First runner up, The Sharks Quiz.
- Overall Best Presbyterian Boys' Secondary School Student, 2021
- Participant, International Youth Math Challenge.

## WORK EXPERIENCE

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### Soronko Industries.

Accra,Ghana

*Intern*

*July – August 2022*

Assisted in daily troubleshooting of operational faults. Went on rotation on different sectors of the company understudied professionals in the energy sector. Developed a machine learning model to plan load shedding using python libraries.

Smartex Lab

Accra, Ghana.

*Assistant*

*May – June 2022*

- Assisted in supervising the construction of various Arduino-powered robots and EV3 Bots.
- Guided entrants to develop a race bot to win the national bot race.

## OTHERS

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### HAVARD CS50 ONLINE COURSE

HARVARD UNIVERSITY

*Participant*

*July – Sept 2022*

- Received tutelage on HTML, CSS, Bootstrapping, and JavaScript Programming for web development.