

# CLAUDE-NOEL TAMAKLOE

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## EDUCATION

**Ashesi University College**  
**BSc. Electrical/Electronic Engineering**  
**Achimota Secondary School**  
**General Science (WASSCE)**

**Berekuso, Eastern Region**  
**Date of Graduation: June 2019**  
**Achimota, Accra**  
**Oct 2012–July 2015**

## ACHIEVEMENTS/AWARDS

**\*Achimota Special Award**, Achimota Secondary School  
**Ashesi and Woovenhacks Premier Hackathon winner**, Ashesi University College  
**Ashesi Honour list**, Ashesi University College  
**Silver Medal**, International Genetically Engineered Competition (IGEM)  
**\*Chairman's Award**, International Genetically Engineered Competition (IGEM)

**Nov 2015**  
**Nov 2016**  
**Dec 2015–Aug 2019**  
**Nov 2017**  
**Nov 2017**

## WORK EXPERIENCE

**Ashesi University –Berekuso**

**Aug 2019–present**

### Faculty Intern (Engineering Department)

- Working with lead faculty to impact knowledge in Embedded Systems, Communication systems and Digital Systems
- Helping students to design and understand Embedded systems, Communication Systems and Digital System Designs.
- Helping students to understand the various technological advancements with Embedded Systems and Communication systems and also helping students to understand the design of digital systems
- Helping students understand the principles of project management and its application as designed by the PMBOK Guide.

**Process and Plant Automation Ghana- Spintex**

**May 2018–July 2018**

### Projects Department

- Worked with a team of technicians on site to undertake a solar installation for a home.
- Plan analysis for site electrical installations.
- Home survey for smart systems installations and solar power installations.

### Engineering Department

- Worked on developing a web-portal framework to integrate the company's services using Adonis Js.

**Ashesi University–Berekuso**

**Feb 2016–Jul 2016**

### Design Lab member

- Led a team of 5 to research on mobile utility to find the best application in the telecommunication industry.
- Generated a model (not yet implemented) to effectively manage home electricity using mobile application

**Math Learning Centre, Ashesi University–Berekuso**

**Oct 2016–Oct 2017**

### Math Tutor

- Assisting a team of 9 students with math related problems and worked to help students understand various math concepts in Calculus 1 and 2.
- Guiding 9 students through a well-structured approach to learning mathematics
- Mentorship of 9 students on application of mathematical theories in the real world to provide a clear understanding of the relevance of the concepts

## PROJECTS AND RESEARCH

### Smart Waste Management System

**Nov 2018–May 2019**

- Designed and developed a smart waste management system, comprised of a solar powered smart bin and a web application to provide an efficient approach to waste management in rural and urban areas.

### Smart Walking stick project

**Nov 2017–May 2018**

- Worked as the project engineer with a team of 8 students to develop a smart device to aid the movement of the blind in the society.

### International Genetically Engineered Machine (IGEM)

**May 2017–Nov 2017**

- Worked on a team of 8 students to research and genetically engineer a biological device to detect and quantify the presence of gold in refractory ores, to enhance gold liberation and provide an alternative for small scale mining in Ghana.

### Smart Speed Detector System

**April 2017–May 2017**

- Designed and built a smart speed detector system to alert authorities on vehicle speed violations.

### Movable Solar Generator project

**June 2016–July 2016**

- Co-lead a team to design and build a movable solar generator to serve as a source of power for basic home appliances in rural areas.

## CO-CURRICULAR ACTIVITIES

**Ashesi University College, Ashesi Basketball Team**

**Oct 2015– May 2019**

### Shooting Guard

- Represent the school during basketball competitions

**Ashesi University College, Ashesi career fair volunteer**

**March 2016**

- Coordinated the personal branding competition during the fair to ensure its success.

### ACM Compass Conference

**June 2019**

- Poster presentation on Employing IOT tools to deploy a Smart waste management system

## SKILLS

Team Work  
3D modelling (intermediate Solidworks 3D modelling)  
Python programming (Intermediate proficiency)

Project Management  
VHDL programming (Intermediate proficiency)