

# Baffour Ntirakwa Siaw

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## **Personal Details**

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Date of Birth: 27th November, 1987.

Place of Birth: Accra.

Citizenship: Ghanaian.

Gender: Male.

Marital Status: Single.

## **Career Profile**

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A skilled and effective mining/sustainability engineer with expertise in sustainable mining practices. In-depth knowledge in sustainable remediation and management of contaminated mine sites. I am highly motivated, able to work under pressure, and for longer hours.

## **Education**

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October 2016-April 2021	Master of Science Degree Sustainable Mining and Remediation Management Freiberg University of Mining and Technology, Freiberg – Germany
August 2008 – July 2012	Bachelor of Science Degree Mining Engineering University of Mines and Technology, Tarkwa – Ghana.

## **Professional Experience**

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### **Assistant Lecturer**

**University of Energy and Natural Resources, Sunyani April 2024 – Present**

- Undertaking research.
- Teaching students at the degree level in sustainable mining courses such as surface mining, underground mining, land reclamation etc.

- Undertaking community service.

### **Adjunct Lecturer**

**University of Mines and Technology, Tarkwa**

**June 2023 – December 2023**

- Undertaking research
- Undertaking community service
- Delivering presentation seminars to students

### **Sustainability Officer**

**Aquabrine Company Limited, Tarkwa.**

**November 2021 – January 2023**

- Involved in the periodic sampling and testing of community boreholes and household water
- Involved in the sensitisation of various communities, schools, churches, etc. on the threats to surface water quality

### **Safety Officer**

**Boison Construction Limited, Tarkwa.**

**April 2015 - September 2016**

- Involved in preparing Safety, Health, and Environmental Impact Assessments
- Seeks to prepare employees (staff and sub-contractors) for induction and training courses.
- Involved in the preparation of risk assessments and hazard identification for all employees.

### **Mining Engineer (Fixed Term)**

**Goldfields Ghana Limited, Tarkwa Mine**

**September 2013 - February 2014**

- Ensuring a smooth pit level in order to increase the dump truck tyre hours usage
- Ensuring that drill pattern holes are completely drilled and ready for blast
- Ensuring drill and blast optimization

### **Mining Engineer (National Service)**

**Goldfields Ghana Limited, Tarkwa Mine**

**October 2012 - August 2013**

- As a drill and blast personnel involved in the daily activities in the layout of drill hole patterns, spotting rigs, priming of holes etc.
- Checking of pit floors to the required level with the use of a laser.
- Ensuring to reduce operational delays

### **Mining Engineer (Internship)**

**Goldfields Ghana Limited, Tarkwa Mine**

**August 2012 – October 2012**

- Involved in time and motion studies of loading and hauling equipments

- Making sure in-pit ramps are cleared of fallen rocks.
- Ensure Personal Protective Equipments are always made available for usage

### **Mining Engineer (Internship)**

**Goldfields Ghana Limited, Tarkwa Mine**

**May 2011 – August 2011**

- Involved in time and motion studies of all mine production equipments.

### **Technical Qualifications**

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Microsoft Word, Excel, PowerPoint, Surpac, Whittle, Citavi and Internet.

### **Professional Skills**

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Teamwork, innovative, self-motivated, good communication skills, works under pressure and for longer hours.

### **Languages Spoken**

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Akan (Twi): Native

English: Proficient

German: Intermediate

### **Hobbies**

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Cooking, watching football, playing volleyball, football and table tennis.

### **Projects**

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As a mining engineer, I was part of Business Improvement (BI) section/team which embarked on the following projects at Goldfields Ghana Limited Tarkwa

#### **Drill and Blast (D&B) Optimization**

##### *Benefits*

- ✓ Improvement in the fragmentation
- ✓ Improvement in D&B dispatch system
- ✓ Improvement in operational hours
- ✓ Significant improvement in D&B cost

## **Increase of tyre life**

### *Benefits*

- ✓ Increase of tyre life from 4800hrs to 5500hrs thereby reducing tyre cost
- ✓ Reduction in operational delay

## **Zero toes and boulders**

### *Benefits*

- ✓ Improvement in fragmentation
- ✓ Reduction in machine/equipment breakdown
- ✓ Increase crusher throughput
- ✓ Improvement in loading time
- ✓ Increase in tyre life

## **Seminar and Certification courses**

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February 2014	Environmental Competency Seminar Goldfields Ghana Limited, Tarkwa Mine - Environmental Department
May 2013	First Aid at Workplace St John Ambulance, Ghana

## **References**

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1. Prof. V. A. Temeng  
University of Mines and Technology (UMaT)  
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2. Dr.-Ing. Nils Hoth

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