

## Asare Nkansah

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Personal Website: <https://asareknkansah.github.io/asare-portfolio/>

### EDUCATION

#### **University of Kentucky**

*Bachelor of Science in Computer Science*

**Lexington, Kentucky**

*Aug. 2015 - May 2019*

### WORK EXPERIENCE

#### **Planview Inc.**

*DevOps Engineer*

**Lexington, KY**

*Nov. 2020 – Now*

- Took lead to improve the cloud infrastructure and build process that performs ETL and data visualization by leveraging Terraform, Kubernetes, Helm, and Github Actions' capabilities
- Led international Dev/DevOps team project to integrate MySQL database with Slack chat platform to empower customer facing employees to create their own queries with proper governance
- Handling Linux System Administrative duties to troubleshoot backend issues with product while automating manual tasks/fixes using Ansible and Rundeck

#### **University of Kentucky**

*Salesforce CRM Integration Engineer*

**Lexington, KY**

*Feb. - Nov. 2020*

- Developed ETL Python script that increased efficiency by 240%
- Founded the UKY Salesforce Club to promote CRM implementation and educate student/staff

#### **Technical University of Berlin & Reiner Lemoine Institute**

*Sustainable Energy Workshop*

**Berlin, Germany**

*August 2019*

- Presented proposal to potentially help bring a sustainable source of energy to the people of rural Nigeria, the majority of which are currently without a reliable electric power source
- Identified social costs and proposed subsidizing solar home systems to bridge economic gap

#### **Apple Inc.**

*Enterprise Design Lab*

**Cupertino, CA**

*May – Aug. 2019*

- Three days in Apple's lab in Cupertino assisting the University of Kentucky design an iOS app focused on student success
- Delivered presentations focused on UK's iOS application to 10,000 people over four weeks

#### **University of Bordeaux**

*Groupe Chimie Théorique et Modélisation*

**Talence, France**

*May 2018 – Aug. 2019*

- Modeled simulations that predict charge transport characteristics of phthalocyanine crystals
- Presented research at international conference in Toulouse, France to over 200 attendees
- **Published Research:**
  - "Simulation of the Electronic Properties of Group 14 Phthalocyanine Derivatives" - *International Journal of Biomedical Data Mining* '21

#### **Argonne National Laboratory: US Department of Energy**

*High-Performance Computing Division*

**Chicago, IL**

*May 2017 - Aug. 2017*

- Utilized parallel computing to improve the overall efficiency of complex theoretical simulations
- **Published Research:**
  - "Path from Serial Execution to Hybrid Parallelization for Learning HPC"- *SuperComputing* '17

### Skills

**Technical Tools:** Linux System Administrator, Git, Terraform, Docker/Kubernetes, Helm, Python, ReactJS, Datadog, Sumo Logic, MySQL, AWS Infrastructure, Rundeck, Github Actions

**Abilities:** High Capacity/Desire to Learn, Gravitates toward Leadership, Public Speaking, Collaborator